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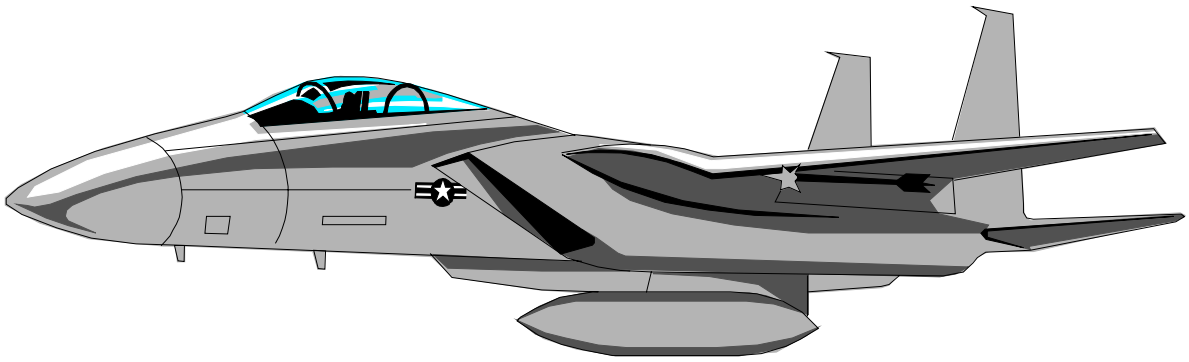
CFETP 2A3X3A
Parts I and II
MARCH 1999

AFSC 2A3X3A
F-15 AIRCRAFT
MAINTENANCE SPECIALTY



CAREER FIELD EDUCATION

AND TRAINING PLAN

CAREER FIELD EDUCATION AND TRAINING PLAN
F-15 AIRCRAFT MAINTENANCE SPECIALTY
AFSC 2A3X3A

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FIGHTER AIRCRAFT MAINTENANCE SPECIALTY
AFSC 2A3X3A
CAREER FIELD EDUCATION AND TRAINING PLAN

PART I

Preface

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and will instill rigor in all aspects of career field training. To read, review, or print a copy of current CFETP, go to the Aircraft Maintenance Homepage at: **http://www.hq.af.mil/AFLG/LGM/ac-tng.html**. ***NOTE:*** Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts; both parts of the plan are used by supervisors to plan, manage, and control training within the career field.
2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints. Some examples are funds, manpower, equipment, and facilities. Section E identifies transition training guide requirements to support career field restructures.
2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training; Air Education and Training Command (AETC) conducted training; wartime course requirements; core task; and correspondence course requirements. Section B contains the course objective list and training standards supervisors use to determine if airmen satisfied training requirements. Section C identifies available support materials. An example is a Qualification Training Package (QTP) developed to support proficiency training. These QTP packages are identified in AFIND 8, *Numerical Index of Specialized Educational Training Publications*. Section D identifies a training course index supervisors use to determine resources available to support training; included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors can use to determine additional training requirements unique to the MAJCOM.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training (AT). Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list which describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS are common to all persons serving in the described duty position.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Certification. A formal indication of an individual's ability to perform a task to required standards.

Certification Official. A person the commander assigns to determine an individual's ability to perform a task to required standards.

Continuation Training. Additional training exceeding requirements with emphasis on present or future duty assignments.

Core Task. A task Air Force Career Field Managers (AFCFMs) identify as a minimum qualification requirement within an Air Force Specialty regardless of duty position. Core task identified with an *R are optional for AFRC and ANG.

Course Objective List (COL). A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-/7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, *Developing, Managing and Conducting Military Training Programs.*

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

Initial Skills Training. A formal resident course which results in award of a 3-skill level AFSC.

Instructional System Development (ISD). A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

Mission Ready Technician. A formal course which results in an airman receiving hands-on training and task certification of selected tasks so the individual will be immediately productive upon arrival at their duty section.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skill/knowledge training required to do the job.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being accomplished.

Specialized Training Package and COMSEC Qualification Training Package. A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by AETC, approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

Specialty Training Standard (STS). An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between the Air Education and Training Command and the functional user to show which of the overall training requirements for an Air Force Specialty Code are taught in formal schools, Career Development Courses, and exportable courses..

Training Impact Decision System (TIDES). A computer-based decision support technology being designed to assist AFCFMs in making critical judgments relevant to what training should be provided personnel within career fields, when training should be provided (at what career points), and where training should be conducted (training setting).

Upgrade Training (UGT). A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

Utilization and Training Workshop (U&TW). A forum of MAJCOM Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

Section A - General Information

1. Purpose. This CFETP provides information necessary for Air Force Career Field Managers (AFCFM), MAJCOM Functional Managers (MFMs), commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2A3X3A should receive to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC at one or more of the technical training centers. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.

1.2. Identifies task and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individuals career.

1.3. Lists training courses available in the specialty, identifies sources of training, and the training delivery method.

1.4. Identifies major resource constraints which impact full implementation of the desired career field training process.

2. Uses. The plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop/revise formal resident, non-resident, field and exportable training based on requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide the identified training.

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM-developed training to support this AFS must be identified for inclusion into this plan and must not duplicate other available training resources.
2.3. Each individual will complete the mandatory training requirements specified in this plan. The lists of courses in Part II will be used as a reference to support training.

3. Coordination and Approval. The AFCFM is the approval authority. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for this specialty will initiate an annual review of this document by AETC and MFMs to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

Section B - Career Progression and Information

4. Specialty Description.
4.1. **Specialty Summary.** Maintains F-15 aircraft, support equipment, and forms and records. Performs and supervises flight chief, expediter, crew chief, aero repair, and maintenance support functions. Related DoD Occupational Subgroup: 600.
4.2. **Duties and Responsibilities.**
4.2.1. Services aircraft. Performs end-of-runway, postflight, preflight, thruflight, and phase inspections. Advises on problems maintaining, servicing, and inspecting aircraft and related aerospace equipment. Uses technical data to diagnose and solve maintenance problems on aircraft systems. Interprets and advises on maintenance procedures and policies to repair aircraft and related equipment.
4.2.2. Troubleshoots and maintains aircraft structures, systems, components, and related equipment. Removes and installs aircraft components. Conducts functional tests of repaired components and systems. Adjusts, aligns, and rigs aircraft systems. Supervises and performs aircraft jacking, lifting, and towing operations.
4.2.3. Inspects aircraft structures, systems, components, and related systems. Supervises and performs aircraft and component inspections. Interprets inspection findings and determines adequacy of corrective actions. Inspects and checks components for clearances, tolerances, proper installation, and operation. Inspects and operates powered and nonpowered aerospace ground equipment. Inspects and identifies aircraft corrosion for prevention and repair. Reviews maintenance forms, aircraft records, automated maintenance data systems, and historical reports to ensure complete documentation. Inventories and maintains aircraft equipment.
4.2.4. Performs flight chief, production superintendent, expediter, crew chief, aero repair, and maintenance support functions. Coordinates maintenance plans and schedules to meet operational commitments. Supervises and assists in launching and recovering aircraft. Reviews maintenance data collection summaries to determine trends and production effectiveness. Performs crash recovery duties. Performs staff and supervisory management functions.

5. Skill/Career Progression. Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its

mission. It is essential for everyone involved in training to do their part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives necessary training at appropriate points in their career. The following narrative and AFSC 2A3X3A career field table identify the skill/career progression.

5.1. **Apprentice (3) Level.** Following Basic Military Training, initial skills training will be provided in a resident course at the 82d Training Wing, Sheppard AFB TX. The course will lay the foundation for additional training at the graduate's first duty assignment. Trainees will utilize the Career Development Course (CDC), task qualification training, and other exportable courses to progress in their career field. Once the trainer task certifies the trainee, the trainee may perform that task unsupervised.

5.2. **Journeyman (5) Level.** Once upgraded to the 5-level, the journeyman will enter into continuation training to broaden their experience base by increasing their knowledge and skill in troubleshooting and solving more complex problems. Five-levels may be assigned job positions such as aircraft dedicated crew chief, quality assurance, aero repair, and various staff positions. After having 48 months in the Air Force, 5-levels will attend Airman Leadership School (ALS) to enhance their Professional Military Education (PME). Five-levels will be considered for appointment as unit trainers. Individuals will use their CDCs to prepare for Weighted Airman Promotion testing. They should also consider continuing their education toward a Community College of the Air Force (CCAF) degree.

5.3. **Craftsman (7) Level.** A craftsman can expect to fill various supervisory and management positions such as expediter, shift leader, element chief, flight chief, task certifier, and various staff positions. Exportable MDS specific courses and MAJCOM/unit directed courses are also available. Seven-levels should take courses or obtain added knowledge of management of resources and personnel. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will attend the Noncommissioned Officer Academy.

5.4. **Superintendent (9) Level.** A 9-level can be expected to fill positions such as flight NCOIC, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will attend the Senior Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFS is also recommended.

6. Training Decisions. This CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the F-15 Aircraft Maintenance career field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy ensures we develop affordable training, eliminate duplication and prevent a fragmented approach to training. The following training decisions were based on a Utilization and Training Workshop (U&TW) held 11-15 May 1998 at Sheppard AFB Texas.

6.1. **Initial Skills**. Training consists of an Aircraft Fundamentals course and specific follow-on courses. Fundamentals training consists of maintenance fundamentals, principles of flight, general aircraft systems, use of hand tools and technical orders, and operation/use of support equipment. The course is continually updated to provide emphasis on hands-on tasks. After fundamentals, students enter J3AQR2A333A 002 (aircraft specific training follow-on) course at Sheppard AFB Texas and receive expanded aircraft systems and task certification training on

selected tasks. After training at Sheppard, students proceed to a "Hot" location (active flightline) at Tyndall AFB Florida for course J3ABP2A333A 002. They receive certification training on various flightline tasks such as launch and recovery, inspections, and servicing. This results in the award of the apprentice skill level. The specific training accomplished is shown in attachment 3 (Matrix) in Part II of the CFETP. There were minor adjustments to the 3-level training course. The following STS line item proficiency codes were changed; Apply cooling air 3c to 2b, Open and close radome 3c to 2b, Remove and install arresting hook damper 3c to 2b, Prime JFS 3c to 1b, Remove and install JFS 2b to 1b, and Order parts 3c to 2b. The following STS line item proficiency codes were deleted; Remove and install AMAD oil pump and switch assembly, and Remove and install hydraulic filters and delta P. The following STS items were added; 781 series forms (781A, H, J and K) training to 3c, CAMS training (Create, Defer, Schedule, and Clear Job) to 2b, Remove and install hydraulic pump to 3c, and Take JOAP sample and document DD Form 2026 to 2b. Additional instruction time was added to; Apply hydraulic pressure, and Apply external electrical power. Course length remained unchanged. The MRT program is designed to certify basic students at the "3c" level on selected aircraft specific tasks at the technical school so they will be productive immediately upon arrival at their first duty section. A task certified apprentice means the individual can complete the task utilizing tech data, but may not meet local standards for speed. AETC instructors will document and certify the tasks (from the CFETP Qualitative Requirements) trained to the 3c proficiency level. ***It is highly recommended that MRT students be placed on the flightline since the majority of their technical school training is flightline related.***

6.2. **Five Level Upgrade Requirements.** Considerable discussion took place at the U&TW on the content of 5-level CDCs. The issue centered around the 5-level CDCs being aircraft generic, while 7-level CDCs were MDS specific. After considerable discussion, the working group elected to modify the 5-level generic CDC and introduce MDS specific. The 5-level CDCs will retain the bulk of the aircraft fundamentals while introducing F-15 specific information on systems operation and fundamentals in several key areas. Other upgrade requirements remained the same.

6.3. **Seven Level Upgrade Requirements.** The U&TW representatives were briefed on the aircraft maintenance generic 7-level management CDCs. The group recommended adding the waiver process to Unit 2. The MAJCOM representatives elected to use this CDC for 7-level upgrade. Current 7-level CDCs will remain unchanged except for volume 4, which will be deleted as the new 7-level management CDC is fielded. Based on student input for the resident 7-level course, the proposed changes for Block I were accepted. Block I will now focus on supply concepts, maintenance accountability, training records, and management issues for maintenance personnel. The group also discussed the current prerequisites for attending the 7-level course and decided amendments should be made to open up the course to more personnel earlier in their career. In general terms, the new prerequisites would be: Fully qualified 5-level second term SSgt's and SSgt selects with sufficient retainability (at least 6 months). This will require a coordinated message from MAJCOM LG and DPs to Air Staff requesting the change to current policy.

6.4. **Continuation Training.** Any additional knowledge and skill requirements which were not taught through initial or upgrade training are assigned to unit training or Training Detachments. The purpose of the continuation training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions.

MAJCOMs must develop a proficiency training program that ensures individuals in the F-15 Aircraft Maintenance career field receive the necessary training at the appropriate point in their career. The program will identify both mandatory and optional training requirements.

7. Community College of the Air Force. Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associates in Applied Sciences Degree. In addition to its associates degree program, CCAF offers the following:

7.1. **Occupational Instructor Certification.** Upon completion of instructor qualification training, consisting of the Basic Instructor Course (BIC) and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

7.2. **Trade Skill Certification.** When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The College uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

7.3. **Degree Requirements.** All airmen are automatically entered into the CCAF program. Prior to completing an associates degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Elective (Technical Education; Leadership, Management, and Military Studies; or General Education)	15
Total	64

7.3.1. **Technical Education** (24 Semester Hours): Completion of the 2A333A aircraft specific courses (see course listing below) satisfies some semester hours of the technical education requirements. A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses.

Course	Semester Hours
J3AQR2A333A 002 (F-15)	29
J3ABP2A333A 002 (F-15)	5

NOTE: These are the hours listed for current courses. These hours may vary when changes are made to the courses. CCAF will provide correct number of hours for all courses.

7.3.2. **Leadership, Management, and Military Studies** (6 Semester Hours): Professional military education and/or civilian management courses.

7.3.3. **Physical Education** (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.
7.3.4. **General Education** (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.
7.3.5. **Program Elective** (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.
7.4. **AETC Instructor Requirements**: Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command Instructor should be actively pursuing an associates degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Path

8.1. Enlisted Career Path.

Table A8.1. Enlisted Career Path				
Education and Training Requirements	**Grade Requirements**			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Minimum 15 months on-the-job training. - Complete all 5 level core tasks on one MDS. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 16 months 3 years	28 months	10 years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
Trainer - Qualified and certified to perform the task to be trained. - Have attended the formal trainer's course and appointed in writing by Commander.	**Certifier** - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified. - Attend formal certifier course and appointed in writing by Commander. - Be a person other than the trainer.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - Complete all 5- and 7-level core tasks on one MDS. - 18 months OJT. - Complete appropriate CDC if/when available. - Advanced Technical School.	SSgt	7.5 years	3 years	20 Years
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	12.5 years 16 years	5 years 8 years	20 Years 24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - A percentage of top nonselect (for promotion to E-8) MSgts attend the SNCOA each year. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt. - Must be a resident graduate of SNCOA (Active Duty Only).	CMSgt	21.5 years	14 years	30 Years

8.2. **Education and Training Manager Checklist:**

Table A8.2. Base Education and Training Manager Checklist		
Requirements for Upgrade to:	**Y**	**N**
Journeyman - Has the apprentice completed mandatory CDCs, if available? - Has the apprentice completed all 5-level core tasks on one MDS aircraft identified in the CFETP? - Has the apprentice completed all other duty position tasks identified by the supervisor? - Has the apprentice completed 15 months upgrade training (9 months for retrainees)? - Has the apprentice met mandatory requirements listed in specialty description, AFMAN 36-2108 (Airman Classification), and CFETP? - Has the apprentice been recommended by their supervisor?		
Craftsman - Has the journeyman achieved the rank of SSgt? - Has the journeyman completed mandatory CDCs, if available? - Has the journeyman completed all 5- and 7-level core tasks on one MDS identified in the CFETP? - Has the journeyman completed all other duty position tasks identified by the supervisor? - Has the journeyman attended 7-skill level Craftsman Course (if available)? **First, they must complete:** -- All 5- and 7-skill level core and duty position training requirements listed in the CFETP. -- All applicable mandatory CDCs and/or exportable courses. -- A minimum of 12 months UGT (6 months for retrainees). - Has the journeyman completed a minimum 18 months UGT (12 months for retrainees) for award of the 7-skill level?		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade _____(Trainee Name)

Trainee is prepared to be upgraded and has completed all mandatory training requirements. Supervisor recommends upgrade.

_____ _____

Training Manager Supervisor

Section C - Skill Level Training Requirements

9. Purpose. Skill level training requirements in the 2A3X3A career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award and retention of each skill level. The specific task and knowledge training requirements are identified in the STS at Part II, Sections A and B of this CFETP.

10. Specialty Qualifications:

10.1**. Apprentice Level Training:**

10.1.1. **Specialty Qualification.**

10.1.1.1. **Knowledge**. Knowledge is mandatory of; principles applying to aircraft systems; concepts and application of maintenance directives and data reporting; using technical data; Air Force supply and deficiency reporting procedures; and proper handling, use, and disposal of hazardous waste and materials.

10.1.1.2. **Education**. For entry into this specialty, completion of high school is desirable with courses in physics, hydraulics and electronics.

10.1.1.3. **Training**. For award of AFSC 2A333A, completion of a suffix specific basic aircraft maintenance course is mandatory.

10.1.1.4. **Experience.** None

10.1.1.5. **Other**. For entry into this specialty, normal color vision as defined in AFI 48-123, *Medical Examination and Standards*, is mandatory. For award and retention of AFSC 2A333A, eligibility for a Secret security clearance according to AFI 31-501 is mandatory.

10.1.2. **Training Sources and Resources.** The 3-level initial skills course will provide the required knowledge, qualification, and if applicable certification. Training will focus on increasing "hands-on" time with task performance as the learning foundation. This strategy allows current weapon system specific training to be included in the initial skills course. Initial skills training consists of aircraft principles, system theory and operation, system components, component removal and installation, introduction to maintenance concepts, general flightline maintenance practices, use of technical publications, maintenance documentation, and AGE/SE equipment familiarization and use.

10.1.3. **Implementation.** Upon graduation from Basic Military Training (BMT) completion of courses J3ATR2A020 001, Aircraft Maintenance Fundamentals and J3AQR2A333A 002, Fighter Aircraft Maintenance Apprentice (F-15), are prerequisites for courses J3ABP2A333A 002, Fighter Aircraft Maintenance Apprentice (F-15). These combinations satisfy the knowledge and training resource requirements for award of the 3-skill level. Courses are conducted at Sheppard AFB Texas with the exception of course J3ABP2A333A 002 which is conducted at Tyndall AFB Florida

10.2. **Journeyman Level Training:**

10.2.1 **Specialty Qualification.**

10.2.1.1. **Knowledge.** In addition to the 3-level qualifications, a 5-skill level must possess the knowledge and skills necessary to maintain F-15 aircraft. A 5-level must be task qualified on inspecting aircraft and associated systems, analyzing and correcting system malfunctions, repairing and replacing aircraft system components, operational checks, and use and maintenance of test and support equipment.

10.2.1.2. **Education.** There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.
10.2.1.3. **Training.** For award of AFSC 2A353A, the 5-level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.
10.2.1.4. **Experience.** Qualification in and possession of AFSC 2A333A. Also, experience in functions such as repairing and maintaining aircraft or related installed equipment.
10.2.1.5. **Other.** For entry into this specialty, normal color vision as defined in AFI 48-123 is mandatory. For award and retention of AFSC 2A353A, eligibility for a Secret security clearance according to AFI 31-501 is mandatory.
10.2.2. **Training Sources and Resources.** A minimum of 15 months on-the-job training, completion of the 2A353A CDC and 5-level core tasks represent the resources needed for award of the 5-skill level.
10.2.3. **Implementation.** Training to the 5-level is performed by the units utilizing STS, exportable courses, and CDCs. Upgrade to the 5-level requires completion of the 2A353A CDCs, completion of all core tasks on one MDS aircraft, and 15 months upgrade training.
10.3. **Craftsman Level Training:**
10.3.1 **Specialty Qualification.**
10.3.1.1. **Knowledge.** In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge of theory, concepts, principles and application of F-15 aircraft systems. The 7-level must be able to supervise and train personnel to maintain aircraft systems. They must be able to plan, schedule, and organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair, inspection, troubleshooting, and diagnostic techniques.
10.3.1.2. **Education.** There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.
10.3.1.3. **Training.** Completion of mandatory CDCs, 7-level core tasks, and resident 7-level course are mandatory for upgrade to 2A373A.
10.3.1.4. **Experience.** Qualification in and possession of AFSC 2A353A. Also, experience performing or supervising functions such as installing, inspecting repairing, or overhauling aircraft structures, systems, and components.
10.3.1.5. **Other.** For entry into this specialty, normal color vision as defined in AFI 48-123 is mandatory. For award and retention of AFSC 2A373A, eligibility for a Secret security clearance according to AFI 31-501 is mandatory.
10.3.2. **Training Sources and Resources.** Completion of the J3ACR2A373A 000 course at Sheppard AFB Texas, completion of CDCs 2AX7X and 2A373A, along with supervisor certification of Air Force directed core tasks represent the resources required for award of the 7-skill level. The Course Objective List (COL) listed in Part II lists the training rendered at the 7-level resident course at Sheppard AFB Texas.
10.3.3. **Implementation.** Upgrade to the 7-level will require completion of all AF core tasks, 18 months OJT as a SSgt, completion of the 7-level CDCs and resident 7-level course at Sheppard AFB Texas. Completion of AF core tasks, 7-level CDCs, and 12 months OJT as a SSgt (6 months for retrainee) will be completed before attending the resident course.

10.4. **Superintendent Level Training:**
10.4.1 **Specialty Qualification.**
10.4.1.1. **Knowledge.** Knowledge is mandatory of: electrical and mechanical principles applying to aircraft and SE; concepts and application of maintenance directives; maintenance data reporting; interpreting and use of maintenance data reports and technical orders; Air Force supply and deficiency reporting procedures; resource management; and proper handling, use, and disposal of hazardous waste and materials.
10.4.1.2. **Education.** There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.
10.4.1.3. **Training.** For award of AFSC 2A390, completion of Senior NCO Academy in residence, and unit OJT is mandatory.
10.4.1.4. **Experience.** For award of AFSC 2A390, qualification in and possession of AFSC 2A371, 2A372, or 2A373X is mandatory. Also, experience is mandatory managing or directing functions such as inspecting or maintaining aircraft and SE.
10.4.1.5. **Other.** Not used.
10.4.2. **Training Sources/Resources.** Instruction received at the Senior NCO Academy and duty position qualification represent the required resources for upgrade to the 9-skill level.
10.4.3. **Implementation.** The 9-level will be awarded after completing MAJCOM requirements, unit OJT, and promotion to SMSgt. Individuals will attend the Senior NCO Academy after they are selected for promotion to SMSgt.

Section D - Resource Constraints

11. Purpose. This section identifies known resource constraints which preclude optimal/desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

12. Apprentice Level Training: There are no 3-level constraints.

13. Five Level Training: There are no 5-level constraints.

14. Seven-Level Training: There are no 7-level constraints.

Section E. - Transitional Training Guide. There are currently no transition training requirements. This area is reserved.

Part II

Section A - Specialty Training Standard

1. Implementation. This STS will be used for technical training provided by AETC for classes beginning in March 1999 and graduating September 1999.

2. Purpose. As prescribed in AFI 36-2201, this STS:
2.1. Lists in the column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airman to perform duties in the 3-, 5-, and 7-skill level. All are task/knowledge items taught in the initial skills course are also trained in resident wartime courses. The 7 level course is not taught in wartime.
2.2. Column 2 (Core Tasks) identifies, by asterisk (*), specialty-wide training requirements. Core tasks identified by an *R are optional for AFRC and ANG. As a minimum, certification on all shop/flightline core tasks applicable to one Mission Design Series (MDS) aircraft assigned must be completed for skill level upgrade. Core task exemptions: (1) core tasks which are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not required to send personnel TDY for core task training); (2) units are not exempt from minimum core task training if aircraft/equipment are assigned to another unit on base, and (3) core tasks on more than one assigned MDS are not required unless deemed mandatory by the MAJCOM FM, unit, and/or supervisor.
2.3. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date.
2.4. Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task/knowledge and the career knowledge provided by the correspondence course. When two codes are used in column 4 (e.g. 2b/b), the first code is the established requirement for resident training on the task/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listing.
2.5. **Qualitative Requirements:** Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.
2.6. **Job Qualification Standard:** Becomes a job qualification standard (JQS) for on-the-job training (OJT) when placed in AF Form 623, **On-The-Job Training Record**, and used according to AFI 36-2201. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:
2.6.1. **Documentation:** Document and certify training IAW AFMAN 36-2247, Chapter 5. Automated records, utilizing Core Automated Maintenance System (CAMS) or Integrated Maintenance Data System (IMDS)/Global Combat Support System (GCSS), reflecting this STS may be used and are highly encouraged. MAJCOMS may designate additional core tasks other

than those already identified in the CFETP. The entire CFETP must be filed in individual records. There are no approved AFJQS for this AFSC.
2.6.1.1. **Certification:** Certify training IAW AFMAN 36-2247, paragraph 5-9. Identify duty position requirements by circling (in pencil) the subparagraph number next to the task statement. As a minimum, complete the following columns: date training completed, trainee initials, trainer initials, and certifier initials (core tasks only). Trainers may sign off non-core and non-critical tasks by initialing the trainer's column; third party certification is not required for non-core and non-critical tasks.
2.6.1.2. **Converting from Old Document to CFETP:** Transcribe records IAW AFMAN 36-2247. All AFJQSs and previous CFETPs are replaced by this CFETP, therefore, conversion of all training records to this CFETP STS is mandatory. Automated records reflecting this STS may be used and are highly encouraged. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. For core/critical tasks previously certified and required in the current duty position, evaluate current qualifications and, when verified, recertify using current date as completion date and trainee, and certifier initials (the trainer's initials are not required). For non-core and non-critical tasks only the trainer and trainee initials are required. For previously certified tasks not required in the current duty position, carry forward ***only*** the previous completion date. If and when these tasks become a duty position requirement, recertify using standard certification procedures. The person whose initials appear in the trainer or certifier's block must meet the requirements of their respective roles. Return all old training records and contents to the trainee to retain for historical data.
2.6.1.3. **Documenting Career Knowledge:** When a CDC is not available: the supervisor identifies CFETP Part II training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFMAN 36-2108. For two-time CDC course exam failures: supervisors identify all Part II items corresponding to the areas covered by the CDC. The trainee completes a study of references, undergoes evaluation by the task certifier, and receives certification on the CFETP Part II. Supervisors must document successful completion of career knowledge prior to submitting a CDC waiver.
2.6.1.4. **Decertification and Recertification:** When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet,** as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid/tape (if the entries are in ink) over the previously certified entry.
2.6.2. **AF Form 797:** When additional items not listed in the CFETP Part II are necessary in the current duty assignment, enter them on the AF Form 797. Fill out the form IAW AFMAN 36-2247.
2.6.3. **Disposition of Training Records:** Upon separation, retirement, commissioning, or promotion to Master Sergeant (unless otherwise directed by the AFCFM, MAJCOM, unit commander, or supervisor), give the individual their training records. Also, give individuals outdated training records after transcribing records. Do not remove any training records that show past qualifications unless transcribed to a new CFETP/AFJQS. For example, an individual working in a tool crib or staff position must maintain documented career field qualifications in

case they return to direct maintenance duty in the shop. Supervisors must exercise good judgment when removing training records not needed in current duty positions.
2.7. Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

3. Graduate Assessment Survey: Graduate Assessment Surveys are used by AETC training squadrons as feedback on initial skills courses. This document allows the supervisor of a technical training graduate to rate that person based on four areas; (1) graduate's attitude and adherence to military standards, (2) graduate's ability to perform at the apprentice level as defined in the CFETP, (3) how well the apprentice job requirements in the CFETP meet the job requirements in your workplace, and (4) whether the supervisor received graduate's training report card (AETC Form 156). There is also space for supervisor's comments and a rating scale which shows how to rate the questions on the document. Personnel from the technical training courses will contact supervisors of any graduate who is rated Below Satisfactory or Well Below Satisfactory. These surveys and the training squadron's reply are reviewed by Training Squadron/Group Commanders and the AFCFM.

4. Recommendations. Report unsatisfactory performance of individual course graduates to the AETC training manager at 362 TRS/TRR, 613 10th Avenue, Sheppard AFB TX, 76311-2352, DSN 736-1825. Reference specific STS paragraphs. A customer service information line has been installed for the supervisor's convenience to identify graduates who may have received training on task/knowledge items listed in this training standard. For a quick response to problems, call our customer service information line, DSN 736-5236.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

JOHN W. HANDY, Lieutenant General, USAF
DCS/Installations and Logistics

3 Attachments
1. Proficiency Code Key
2. STS 2A3X3A, F-15 Qualitative Training Requirements
3. Training Matrix

PROFICIENCY CODE KEY

This Block Is For Identification Purposes Only		
Name Of Trainee		
Printed Name (*Last, First, Middle Initial*)	Initials (Written)	SSAN
Printed Name Of Training/Certifying Official And Written Initials		
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	
N/I	***N/I***	

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	**IS EXTREMELY LIMITED** (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	**IS PARTIALLY PROFICIENT** (Can do most parts of the task. Needs only help on hardest parts.)
	3	**IS COMPETENT** (Can do all parts of the task. Needs only a spot check of completed work.)
	4	**IS HIGHLY PROFICIENT** (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	**KNOWS NOMENCLATURE** (Can name parts, tools, and simple facts about the task.)
	b	**KNOWS PROCEDURES** (Can determine step by step procedures for doing the task.)
	c	**KNOWS OPERATING PRINCIPLES** (Can identify why and when the task must be done and why each step is needed.)
	d	**KNOWS ADVANCED THEORY** (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	**KNOWS FACTS** (Can identify basic facts and terms about the subject.)
	B	**KNOWS PRINCIPLES** (Can identify relationship of basic facts and state general principles about the subject.)
	C	**KNOWS ANALYSIS** (Can analyze facts and principles and draw conclusions about the subject.)
	D	**KNOWS EVALUATION** (Can evaluate conditions and make proper decisions about the subject.)

Explanations

***** A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)

** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDCs.

/ This mark is used in course columns along with proficiency codes to show that training is required but not given due to limitations in resources (3c/b, 2b/b, 2b/- etc.).

Note: All tasks and knowledge items taught in the initial skills course are trained during war time. The 7 level course is not taught in wartime.

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
NOTE 1: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 2: All task/knowledge taught in the initial skills course trained in the resident wartime courses. The resident 7-level course is not taught during wartime.											
NOTE 3: Items in column 2 marked with an asterisk (*) are the core tasks for either the 5 or 7 skill level and are required for upgrade. Items marked with an (*/R) are not required by AFRC and ANG for upgrade.											
NOTE 4: All applicable safety and inspection requirements, TOs/corrosion, FOD, use of aircraft equipment, tools and hardware necessary to properly perform maintenance are integrated throughout training.											
NOTE 5: A matrix is provided in attachment 3 that annotates the specific breakdown by course for 3-level apprentice training. Training in course J3ATR2A020 001 (Fundamentals) is provided on various types of aircraft											
A2.1. CAREER LADDER INFORMATION TR: AFM 36-2108											
A2.1.1. Accountability and core values								-	A	-	B
A2.1.2. Mobility								-	-	-	A
A2.1.3. Progression in career ladder 2A3X3A								A	-	-	-
A2.1.4. Duties of AFS 2A3X3A								B	-	-	-
A2.2. OPERATIONS SECURITY (OPSEC) VULNERABILITY OF AFSC 2A3X3A TR: AFI 10-1101								A	-	-	-
A2.3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: Applicable AFOSH Standards; Aircraft TO, AFI 91-301											
A2.3.1. Housekeeping consistent with safety of personnel and equipment								A	B	-	-
A2.3.2. Safety precautions pertaining to aircraft maintenance											
A2.3.2.1. Engine air intake and exhaust								A	B	-	-
A2.3.2.2. High intensity sound								A	B	-	-
A2.3.2.3. Turbine plane of rotation								A	B	-	-
A2.3.2.4. Radio frequency radiation								A	B	-	-
A2.3.2.5. Ground handling of aircraft TR: AFI 11-218, TO 00-25-172								A	B	-	-
A2.3.2.6. Hot brakes								A	B	-	-
A2.3.2.7. Use of tools and equipment								A	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.3.2.8. Servicing aircraft systems TR: TO 00-25-172								A	B	-	-
A2.3.2.9. Cleaning agents								A	B	-	-
A2.3.2.10. Solvents								A	B	-	-
A2.3.2.11. Lubricants								A	B	-	-
A2.3.3. Fire extinguishers AFI 32-2001											
A2.3.3.1. Inspect								2b	B	-	-
A2.3.3.2. Position								2b	B	-	-
A2.3.3.3. Operate								b	-	-	-
A2.3.4. Foreign Object Damage (FOD) Prevention Program TR: AFI 21-101								B	-	-	A
A2.3.5. Dropped Object Prevention and Reporting Program								-	A	-	-
A2.3.6. Hazardous chemicals TR: AFOSH STD 48-21; AFOSH 91 Series											
A2.3.6.1. Use								A	B	-	-
A2.3.6.2. Disposal								A	B	-	-
A2.3.6.3. Hazard Communication Training Program								B	-	-	B
A2.3.6.4. Hazardous material handling procedures								-	-	-	B
A2.4. MAINTENANCE DIRECTIVES, INSTRUCTIONS AND REFERENCES TR: AFI 37-160 v1, AFI 21-3, TOs 00-5-1, 00-5-2											
A2.4.1. TO system								A	B	-	-
A2.4.2. Air Force manuals and instructions								A	B	-	-
A2.4.3. Use technical publications	*							3c	-	-	-
A2.4.4. Tech Order Improvement Reporting								A	B	-	-
A2.4.5. Tech order management								-	-	-	B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.4.6. Analyze maintenance practices								-	-	-	B
A2.4.7. Analyze maintenance priorities								-	-	-	B
A2.5. SUPERVISION TR: AFI 21-101											
A2.5.1. Plan maintenance								-	-	-	B
A2.5.2. Schedule maintenance and personnel								-	-	-	B
A2.5.3. Supervise personnel accomplishing maintenance								-	-	-	B
A2.5.4. Establish											
A2.5.4.1. Work methods								-	-	-	-
A2.5.4.2. Work controls								-	-	-	-
A2.5.4.3. Performance standards								-	-	-	-
A2.5.5 Evaluate work performance of subordinate personnel TR: AFI 36-2403								-	-	-	B
A2.5.6. Participate in USAF Graduate Evaluation Program TR: AFI 36-2201								-	A	-	B
A2.6. TRAINING TR: AFI 36-2201											
A2.6.1. Evaluate personnel for training								-	-	-	B
A2.6.2. Plan and supervise OJT											
A2.6.2.1. Prepare job qualification standards								-	-	-	B
A2.6.2.2. Counsel trainees on training progress								-	-	-	B
A2.6.2.3. Monitor effectiveness of											
A2.6.2.3.1. Career knowledge upgrade training								-	-	-	B
A2.6.2.3.2. Position qualification training								-	-	-	B
A2.6.3. Specialty Training											
A2.6.3.1. Training management and training Records								-	-	-	B
A2.6.3.2. Document training records								-	-	B	B
A2.6.3.3. Career Field Education and Training								-	-	-	B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
Plan (CFETP)											
A2.6.3.4. Specialty Training Standard (STS)								-	-	-	B
A2.6.3.5. Occupational Survey Report (OSR)								-	-	-	B
A2.6.3.6. Utilization and Training Workshop (U&TW)								-	-	-	B
A2.6.3.7. Training Request								-	-	-	A
A2.6.4. Evaluate effectiveness of training programs								-	-	-	-
A2.6.5. Recommend personnel for training TR: AFCAT 36-2223, AFI 36-2101, AFM 36-2108, AFI 10-204								-	-	-	-
A2.6.6. OJT trainer requirements											
A2.6.6.1. Prepare teaching outlines on task breakdowns								-	-	-	-
A2.6.6.2. Provide trainees theory and train on actual equipment								-	-	-	-
A2.6.6.3. Provide feedback on training provided								-	-	-	-
A2.6.7. OJT task certifier requirements											
A2.6.7.1. Develop methods of evaluation to determine trainee knowledge/ qualification, and training effectiveness								-	-	-	-
A2.6.7.2. Use appropriate methods of evaluation and effectively determine trainee's ability								-	-	-	-
A2.6.7.3. Provide supervision and trainer feedback on results of training provided and trainee's strengths/weakness								-	-	-	-
A2.7. MAINTENANCE MANAGEMENT TR: AFI 21-101, AFI 21-118											
A2.7.1. Basic functions within maintenance								A	B	-	B
A2.7.2. Operations/Logistics Group Commander responsibilities								-	-	-	B
A2.7.3. Aircraft maintenance management information systems								-	-	-	B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.7.4. Aircraft monitoring								-	-	-	B
A2.7.5. Logistics maintenance management								-	-	-	B
A2.7.6. Base resource functions/interactions								-	-	B	-
A2.7.7. Processing and controlling material								-	-	-	B
A2.7.8. Resource management								-	B	-	B
A2.7.9 Compliance and Standardization Requirements Listing (CSRL)								-	-	-	A
A2.7.10. Maintenance Quality Performance Measures (QPM) Relationships								-	-	-	B
A2.7.11. Personnel management and interaction								-	-	B	B
A2.7.12. Expediter, production supervisor, and flight chief duties and responsibilities								-	-	-	B
A2.7.13. Budget management								-	-	-	B
A2.7.14. Financial Plan (FIN Plan)								-	-	-	A
A2.7.15. Due In For Maintenance (DIFM) Control TR: AFMAN 23-110, TO 00-20-3								-	-	B	B
A2.7.16. Equipment account management								-	-	B	A
A2.7.17. Maintenance accountability								-	-	C	-
A2.7.18. Maintenance incident investigation and prevention								-	-	C	B
A2.8. Maintenance Data Collection (MDC) System TR: TO 00-20 Series											
A2.8.1. Purpose of MDC								A	B	-	-
A2.8.2. Automated maintenance systems								-	-	-	A
A2.8.3. Aircraft and supporting Maintenance records											
A2.8.3.1. Use aircraft and supporting maintenance records								2b	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.8.3.2. Document AFTO Form 781H	*							3c	-	-	-
A2.8.3.3. Document AFTO Form 781A	*							3c	-	-	-
A2.8.3.4. Document AFTO Form 781J	*							3c	-	-	-
A2.8.3.5. Document AFTO Form 781K	*							3c	-	-	-
A2.8.3.6. Document AFTO Form 781C								-	-	-	-
A2.8.3.7. Document DD Form 2026 (JOAP)	*							2b	-	-	-
A2.8.3.8. Document AFTO Form 93 (Does not apply to F100-PW-220/229 engines)								3c	-	-	-
A2.8.3.9. Document AFTO Form 241								3c	-	-	-
A2.8.3.10. Automated forms								1a	-	-	-
A2.8.4. Core Automated Maintenance System (CAMS)											
A2.8.4.1. Use Core Automated Maintenance System (CAMS)								2b	B	-	-
A2.8.4.2. Create job	*							2b	-	-	-
A2.8.4.3. Clear job	*							2b	-	-	-
A2.8.4.4. Schedule job	*							2b	-	-	-
A2.8.4.5. Defer job	*							2b	-	-	-
A2.8.4.6. Complete Course J6AZR00066-058	*R							-	-	-	-
A2.8.4.7. Complete Course J6AZR00066-062		*R						-	-	-	-
A2.8.5. Use Maintenance Data Collection forms								2b	B	-	B
A2.8.6. Job data documentation								-	-	-	B
A2.8.7. Product Quality Deficiency Reporting (PQDR) TR: TO 00-35D-54								A	B	-	B
A2.8.8. Product Improvement Working Groups (PIWG), Technical Improvement Product Working Groups (TIPWG), System Training Plan (STP), and Program Management Review (PMR)								-	-	-	A
A2.8.9. Aircraft Battle Damage Repair (ABDR)								-	A	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
TR: 1-1H-39											
A2.8.10. Historical records								-	-	-	B
A2.8.11. Status reports								-	-	-	B
A2.8.12. Configuration management								-	-	-	B
A2.8.13 Computers and computer usage											
A2.8.13.1. Using applications								-	-	-	A
A2.8.13.2. Operating systems								-	-	-	A
A2.8.13.3. Hardware								-	-	-	A
A2.8.13.4. Local Area Networks (LAN)								-	-	-	A
A2.9. MAINTENANCE MATERIALS AND TOOLS TR: TO 1-1A-8, 1-1A-14, -32 Series											
A2.9.1. Select special tools								-	-	-	-
A2.9.2. Use special tools								-	-	-	-
A2.9.3. Process TMDE equipment								-	-	-	-
A2.9.4.. Hardware											
A2.9.4.1. Purpose								A	B	-	-
A2.9.4.2. Use								2b	-	-	-
A2.9.5. Electrical connectors											
A2.9.5.1. Purpose								A	B	-	-
A2.9.5.2. Use								2b	-	-	-
A2.9.6. Securing devices											
A2.9.6.1. Purpose								A	B	-	-
A2.9.6.2. Use								2b	-	-	-
A2.9.7. Lubricants								A	B	-	-
A2.9.8. Sealants								A	B	-	-
A2.9.9. Adhesives								A	B	-	-
A2.9.10. Cleaning agents								A	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
TR: TO 1-1-691											
A2.9.11. Hand tools TR: Applicable AFOSH Stds, TO –32 Series											
A2.9.11.1. Select								2b	-	-	-
A2.9.11.2. Use								2b	-	-	-
A2.9.12. Measuring tools TR: Applicable AFOSH Stds, TO -32 Series											
A2.9.12.1. Select								2b	B	-	-
A2.9.12.2. Use								2b	B	-	-
A2.9.13. Use Multimeter								1b	B	-	-
A2.9.14. Torque wrench TR: Applicable AFOSH Stds, TO -32 Series											
A2.9.14.1. Select								2b	-	-	-
A2.9.14.2. Use								2b	B	-	-
A2.9.15. Tool control								B	-	-	-
A2.10. RESPONSIBILITY FOR SUPPLY TR: AFM 23-110V2CD, AFI 21-101, AFI 21-118											
A2.10.1. Maintenance supply concept								-	B	-	B
A2.10.2. Standard Base Supply System (SBSS)								-	-	-	B
A2.10.3. Obtain information for special requisition and turn-in slips								-	B	-	-
A2.10.4. Ordering parts								2b	B	-	-
A2.10.5. Priority system								-	-	-	B
A2.10.6. Preparing repairable and serviceable parts for turn-in								A	B	-	B
A2.10.7. Local manufacture of parts								-	-	-	-
A2.10.8. Supply documents management								-	-	-	B
A2.10.9 Status of Resources and Training								-	-	-	A

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
(SORTS)											
A2.10.10. Classified asset handling								-	-	-	A
A2.10.11. Land mobile radios, pagers, and cell phones								-	-	-	A
A2.11. AIRCRAFT GENERAL TR: TO 00-20-5; Applicable -2 TO											
A2.11.1. Determine weight and balance procedures								-	-	-	-
A2.11.2. Assist in weight and balance								-	A	-	-
A2.11.3. Inventory aircraft equipment TR: AFI 21-103								-	A	-	-
A2.11.4. Engine and support warranty TR: TOs 00-35D-54 & 00-20-3								A	B	-	-
A2.11.5. Corrosion control program TR: TO 1-1-691											
A2.11.5.1. Aircraft cleaning								A	B	-	-
A2.11.5.2. Corrosion identification								A	B	-	-
A2.11.5.3. Corrosion treatment								A	B	-	-
A2.11.6. Avionics components and system operation								A	-	-	-
A2.11.7. Weapon system components								A	-	-	-
A2.11.8. Safe aircraft for maintenance	*							3c	-	-	-
A2.11.9 . Aircraft inspections TR: TO 00-20-5; Applicable -6 TO											
A2.11.9.1. Concepts								A	B	-	-
A2.11.9.2. Periodic inspection concept								B	-	-	-
A2.11.9.3 Perform inspections											
A2.11.9.3.1. Preflight inspection								1b	-	-	-
A2.11.9.3.2. Basic Postflight inspection								1b	-	-	-
A2.11.9.3.3. Preflight/Basic Postflight combination	*							3c	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.11.9.3.4. End of Runway								-	-	-	-
A2.11.9.3.5. Thruflight	*							3c	-	-	-
A2.11.9.3.6. Quick-turn								-	-	-	-
A2.11.9.3.7. Hourly Postflight								-	-	-	-
A2.11.9.3.8. Periodic								-	-	-	-
A2.11.9.3.9. Time replacement item								-	-	-	-
A2.11.9.3.10. Calendar								-	-	-	-
A2.11.9.4. Perform special inspections											
A2.11.9.4.1. Acceptance/Transfer								-	-	-	-
A2.11.9.4.2. Over-G								b	-	-	-
A2.11.9.4.3. Lighting strike								a	-	-	-
A2.11.9.4.4. Engine bay								2b	-	-	-
A2.11.9.4.5. Integrated Combat Turn (ICT)								-	-	-	-
A2.11.10. Aircraft communications equipment											
A2.11.10.1. Operate radio								-	-	-	-
A2.11.10.2. Use interphone	*							3c	-	-	-
A2.11.11. Ground Handling TR: AFI 11-218 Applicable AFOSH Stds, TO 00-25-172, Aircraft TOs											
A2.11.11.1. Perform ground handling								A	B	-	-
A2.11.11.2. Launch aircraft	*							3c	-	-	-
A2.11.11.3. Recover aircraft	*							3c	-	-	-
A2.11.11.4. Tow aircraft											
A2.11.11.4.1. Tow team member	*							3c	-	-	-
A2.11.11.4.2. Tow team supervisor		*						-	-	-	-
A2.11.11.4.3. Tow vehicle operator								-	-	-	-
A2.11.11.5. Moor aircraft								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.11.11.6. Jack and level aircraft											
A2.11.11.6.1. Jacking team member	*							3c	-	-	-
A2.11.11.6.2. Jacking supervisor		*						-	-	-	-
A2.11.11.6.3. Axle jacking	*							3c	-	-	-
A2.11.11.7. De-ice aircraft								-	-	-	-
A2.11.11.8. Lubricate aircraft after wash								3c	-	-	-
A2.11.11.9. Apply external cooling air								2b	-	-	-
A2.11.11.10. Remove/Install ballast								-	-	-	-
A2.11.11.11. Crash Damage or Disabled Aircraft Recovery (CDDAR)								-	A	-	B
A2.12. AIRFRAME TR: Aircraft TOs											
A2.12.1. Airframe structure and components								A	A	-	-
A2.12.2. Rig doors								-	-	-	-
A2.12.3. Perform operational check of doors								-	-	-	-
A2.12.4. Remove/Install											
A2.12.4.1. Airframe components								1b	-	-	-
A2.12.4.2. Windscreen								-	-	-	-
A2.12.4.3. Travel Pods								-	-	-	-
A2.12.4.4. Panels	*							3c	-	-	-
A2.12.4.5. Stress panels								3c	-	-	-
A2.12.5. Open/Close											
A2.12.5.1. Hingeable doors	*							3c	-	-	-
A2.12.5.2. Radome								2b	-	-	-
A2.12.6. Inspect airframe components								1b	-	-	-
A2.13. CANOPY TR: Applicable -2 TO											
A2.13.1. Components and system operation								A	A	-	B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.13.2. Perform operational check								-	-	-	-
A2.13.3. Rig								-	-	-	-
A2.13.4. Remove/Install											
A2.13.4.1. Canopy								-	-	-	-
A2.13.4.2. Actuator								-	-	-	-
A2.13.4.3. Accumulator								-	-	-	-
A2.13.4.4. Accumulator check valve								-	-	-	-
A2.13.4.5. Accumulator pressure gauge								-	-	-	-
A2.13.4.6. Control handle								-	-	-	-
A2.13.4.7. Control cable								-	-	-	-
A2.13.4.8. Control valve								-	-	-	-
A2.13.4.9. Check valve								-	-	-	-
A2.13.4.10. Sequence valve								-	-	-	-
A2.13.4.11. Two-way restrictor								-	-	-	-
A2.13.4.12. Rain seal								-	-	-	-
A2.13.5. Operate											
A2.13.5.1. Manual	*							3c	-	-	-
A2.13.5.2. Normal	*							3c	-	-	-
A2.13.6. Service											
A2.13.6.1. Actuator	*							3c	-	-	-
A2.13.6.2. Accumulator	*							3c	-	-	-
A2.14. LANDING GEAR TR: Aircraft TOs											
A2.14.1. Landing gear fundamentals								A	A	-	-
A2.14.2. Components and system operation								A	A	-	B
A2.14.3. Operate normal systems											
A2.14.3.1. Landing gear								1b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.14.3.2. Brakes								1b	-	-	-
A2.14.3.3. Anti-skid								-	-	-	-
A2.14.3.4. Arresting gear								1b	-	-	-
A2.14.4. Operate emergency system											
A2.14.4.1. Landing gear extension								1b	-	-	-
A2.14.4.2. Brakes	*							3c	-	-	-
A2.14.4.3. Steering								2b	-	-	-
A2.14.5. Nose wheel steering system											
A2.14.5.1. Nose wheel steering components								B	-	-	-
A2.14.5.2. Remove/Install system components											
A2.14.5.2.1. Selector valve								-	-	-	-
A2.14.5.2.2. Shuttle valve								-	-	-	-
A2.14.5.2.3. Steering unit								-	-	-	-
A2.14.5.2.4. Steering support housing								-	-	-	-
A2.14.5.3. Operate nose wheel steering								2b	-	-	-
A2.14.6. Rig											
A2.14.6.1. Landing gear								-	-	-	-
A2.14.6..2. Nose wheel steering								-	-	-	-
A2.14.6..3. Arresting gear								-	-	-	-
A2.14.7. Service											
A2.14.7.1. Landing gear struts	*							3c	-	-	-
A2.14.7.2. Tires TR: Applicable -2 TOs	*							3c	-	-	-
A2.14.7.3. Arresting gear actuator	*							3c	-	-	-
A2.14.7.4. Damper	*							3c	-	-	-
A2.14.8. Remove/Install											
A2.14.8.1. Wheel and tire assemblies	*							3c	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.14.8.2. Brake system components											
A2.14.8.2.1. Brake assemblies	*							3c	-	-	-
A2.14.8.2.2. Brake control cables								-	-	-	-
A2.14.8.2.3. Dual brake control valve								-	-	-	-
A2.14.8.2.4. Brake interconnect cable								-	-	-	-
A2.14.8.2.5. Brake pressure dissipation valve								-	-	-	-
A2.14.8.2.6. Brake/steering arming valve cable								-	-	-	-
A2.14.8.2.7. Brake/steering emergency cable								-	-	-	-
A2.14.8.2.8. Brake/steering emergency handle								-	-	-	-
A2.14.8.2.9. Emergency brake/steering arming valve								-	-	-	-
A2.14.8.3. Landing gear components											
A2.14.8.3.1. NLG strut								-	-	-	-
A2.14.8.3.2. NLG actuator								-	-	-	-
A2.14.8.3.3. NLG door selector valve								-	-	-	-
A2.14.8.3.4. MLG strut								-	-	-	-
A2.14.8.3.5. MLG actuator								-	-	-	-
A2.14.8.3.6. MLG door selector valve								-	-	-	-
A2.14.8.3.7. Emergency selector valve								-	-	-	-
A2.14.8.4. Arresting gear components											
A2.14.8.4.1. Hook shank								-	-	-	-
A2.14.8.4.2. Hook actuator								-	-	-	-
A2.14.8.4.3. Hook uplatch actuator								-	-	-	-
A2.14.8.4.4. Hook damper								2b	-	-	-
A2.14.8.4.5. Hook fairings								-	-	-	-
A2.14.8.4.6. Hook release and retraction mechanism								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.14.8.4.7. Emergency selector valve								-	-	-	-
A2.14.9. Bleed brakes	*							3c	-	-	-
A2.14.10. Determine serviceability of acft tires TR: TO 4T-1-3, Applicable -6 TOs	*							3c	-	-	-
A2.14.11. Repack landing gear components											
A2.14.11.1. Nose strut								-	-	-	-
A2.14.11.2. Main strut								-	-	-	-
A2.14.12. Build-up wheel and tire assembly											
A2.14.12.1. Nose wheel assembly								-	-	-	-
A2.14.12.2. Main wheel assembly								-	-	-	-
A2.14.13. Operate gear doors											
A2.14.13.1. Manual	*							3c	-	-	-
A2.14.13.2. Emergency operation								-	-	-	-
A2.14.14. Inspect landing gear								1b	-	-	-
A2.14.15. Troubleshoot landing gear								-	-	c	-
A2.15. UTILITIES TR: Aircraft TOs											
A2.15.1. Utility system fundamentals								A	B	-	-
A2.15.2. Components and system operation								A	A	-	B
A2.15.3. Perform operational check											
A2.15.3.1. Bleed air system								-	-	-	-
A2.15.3.2. Air conditioning system								-	-	-	-
A2.15.3.3. Pressurization system								-	-	-	-
A2.15.3.4. Anti-ice/de-ice system								-	-	-	-
A2.15.3.5. Rain removal system								-	-	-	-
A2.15.3.6. Fire/overheat warning system								2b	-	-	-
A2.15.3.7. Oxygen system quantity								3c	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.15.4. Inspect											
A2.15.4.1. Oxygen system								1b	-	-	-
A2.15.4.2. Fire/Overheat warning system								1b	-	-	-
A2.15.5. Service oxygen system TR: TO 00-25-172, 15X-1-1	*							3c	-	-	-
A2.15.6. Remove/Install Liquid Oxygen (LOX) converter	*							3c	-	-	-
A2.16. FLIGHT CONTROLS TR: Aircraft TOs											
A2.16.1. Flight control system fundamentals								A	B	-	-
A2.16.2. Component identification and system operation								A	A	-	B
A2.16.3. Perform operational check								1b	-	-	-
A2.16.4. Inspect flight control components								1b	-	-	-
A2.16.5. Remove/Install											
A2.16.5.1. Aileron								-	-	-	-
A2.16.5.2. Rudder								-	-	-	-
A2.16.5.3. Stabilator								-	-	-	-
A2.16.5.4. Speed brake								-	-	-	-
A2.16.5.5. Flap								-	-	-	-
A2.16.5.6. Pitch Roll Channel Assembly (PRCA)								-	-	-	-
A2.16.5.7. Pitch Trim Compensator (PTC)								-	-	-	-
A2.16.5.8. Roll Ratio Controller (RRC)								-	-	-	-
A2.16.5.9. Mode selector								-	-	-	-
A2.16.5.10. Aileron Rudder Interconnect (ARI)								-	-	-	-
A2.16.5.11. Yaw Ratio Controller (YRC)								-	-	-	-
A2.16.5.12. Remove/Install actuators											
A2.16.5.12.1 Aileron								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.16.5.12.2. Rudder								-	-	-	-
A2.16.5.12.3. Stabilator								-	-	-	-
A2.16.5.12.4. Speedbrake								-	-	-	-
A2.16.5.12.5. Flap								-	-	-	-
A2.16.5.12.6. Lateral feel trim								-	-	-	-
A2.16.5.12.7. Longitudinal feel trim								-	-	-	-
A2.16.5.12.8. Directional feel trim								-	-	-	-
A2.16.5.12.9. Yaw trim (F-15E)								-	-	-	-
A2.16.5.13. Remove/install components											
A2.16.5.13.1. Switching valves								-	-	-	-
A2.16.5.13.2. Aileron cables/bellcranks								-	-	-	-
A2.16.5.13.3. Rudder cables/bellcranks								-	-	-	-
A2.16.5.13.4. ARI to PRCA interconnect cable								-	-	-	-
A2.16.5.13.5. Rudder travel limiter								-	-	-	-
A2.16.5.13.6. Aileron safety spring cartridge								-	-	-	-
A2.16.5.13.7. Rudder control breakout assembly								-	-	-	-
A2.16.5.13.8. Stabilator control cables/bellcranks								-	-	-	-
A2.16.6. Rig flight control systems											
A2.16.6.1. Longitudinal								-	-	-	-
A2.16.6.2. Lateral								-	-	-	-
A2.16.6.3. Directional								-	-	-	-
A2.16.7. Troubleshoot flight controls								-	-	c	-
A2.17. HYDRAULICS TR: Aircraft TOs											
A2.17.1. Hydraulic system fundamentals								A	B	-	-
A2.17.2. Components and system operation								A	A	-	B
A2.17.3. Service	*							3c	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.17.4. Drain								-	-	-	-
A2.17.5. Flush								-	-	-	-
A2.17.6. Apply hydraulic pressure	*							3c	-	-	-
A2.17.7. Bleed hydraulic system		*						-	-	-	-
A2.17.8. Remove/install											
A2.17.8.1. Lines	*							-	-	-	-
A2.17.8.2. Pumps	*R							3c	-	-	-
A2.17.8.3. Manifolds											
A2.17.8.3.1. Pump								-	-	-	-
A2.17.8.3.2. Accessories								-	-	-	-
A2.17.8.4. Reservoirs								-	-	-	-
A2.17.8.5. Cockpit gauges								-	-	-	-
A2.17.8.6. Valves											
A2.17.8.6.1. Check valve								-	-	-	-
A2.17.8.6.2. Thermal control valve								-	-	-	-
A2.17.8.6.3. Utility bypass warm-up valve								-	-	-	-
A2.17.8.6.4. Filters/Delta “P”								-	-	-	-
A2.17.8.6.5. Pressure transmitter								-	-	-	-
A2.17.8.6.6. Pressure switch								-	-	-	-
A2.17.8.7. Other hydraulic components (Course J3ATR2A020 001 only)								1b	-	-	-
A2.17.9. Inspect hydraulic system								1b	-	-	-
A2.17.10. Troubleshoot hydraulic system								-	-	c	-
A2.18. AIR INDUCTION TR: Applicable -2 TOs											
A2.18.1. Components and system operation								A	A	-	B
A2.18.2. Remove/Install											

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.18.2.1. First ramp actuator								-	-	-	-
A2.18.2.2. Diffuser ramp actuator								-	-	-	-
A2.18.2.3. Bypass door actuator								-	-	-	-
A2.18.2.4. First ramp								-	-	-	-
A2.18.2.5. Second ramp								-	-	-	-
A2.18.2.6. Third ramp								-	-	-	-
A2.18.2.7. Diffuser ramp								-	-	-	-
A2.18.2.8. Bypass door								-	-	-	-
A2.18.3. Perform operational check								-	-	-	-
A2.18.4. Rig								-	-	-	-
A2.18.5. Troubleshoot air induction system								-	-	b	-
A2.19. ENGINES TR: Aircraft TOs											
A2.19.1. Engine system fundamentals								A	B	-	-
A2.19.2. Components and system operation								A	A	-	B
A2.19.3. Engine monitoring system								A	A	-	-
A2.19.4. Operate engine TR: AFOSH Standard 91-66								-	-	-	-
A2.19.5. Trim engine TR: AFOSH Standard 91-66								-	-	-	-
A2.19.6. Identify engine components								1b	-	-	-
A2.19.7. Inspect engine components								1b	-	-	-
A2.19.8. Oil system TR: Applicable -6 TOs											
A2.19.8.1. Inspect magnetic chip detectors	*							3c	-	-	-
A2.19.8.2. Service	*							3c	-	-	-
A2.19.8.3. Drain								-	-	-	-
A2.19.8.4. Flush								-	-	-	-
A2.19.8.5. Joint Oil Analysis Program (JOAP)								-	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.19.8.6. Take JOAP sample	*							2b	-	-	-
A2.19.9. Remove/install											
A2.19.9.1. Engine								2b	-	-	-
A2.19.9.2. Engine interconnect box								-	-	-	-
A2.19.9.3. Engine electrical harness								-	-	-	-
A2.19.9.4. Events History Recorder (EHR)								-	-	-	-
A2.19.9.5. Engine Diagnostic Unit (EDU)								-	-	-	-
A2.19.9.6. Electronic Engine Control (EEC)								-	-	-	-
A2.19.9.7. Digital Electronic Engine Control(DEEC)								-	-	-	-
A2.19.9.8. Remove/install Alternator											
A2.19.9.8.1. Stator								-	-	-	-
A2.19.9.8.2. Rotor								-	-	-	-
A2.19.9.9. Fan Turbine Inlet Temperature (FTIT) Probe								-	-	-	-
A2.19.9.10. Remove/Install Ignition exciter boxes											
A2.19.9.10.1. Single								-	-	-	-
A2.19.9.10.2. Dual								-	-	-	-
A2.19.9.11. Remove/install Ignition plugs											
A2.19.9.11.1. Main								-	-	-	-
A2.19.9.11.2. Augmentor								-	-	-	-
A2.19.9.12. Plumbing								-	-	-	-
A2.19.9.13. Engine oil seals								-	-	-	-
A2.19.9.14. Engine fuel seals								-	-	-	-
A2.19.9.15. Engine nose dome								-	-	-	-
A2.19.9.16. Oil tank								-	-	-	-
A2.19.9.17. Oil pump								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.19.9.18. Oil filters/Delta "P"								-	-	-	-
A2.19.9.19. Oil pump and #2 and #3 scavenge elements								-	-	-	-
A2.19.9.20. Oil pressure transmitter								-	-	-	-
A2.19.9.21. Breather pressurizing valve								-	-	-	-
A2.19.9.22. Unified fuel control (UFC)								-	-	-	-
A2.19.9.23. Main fuel control (MFC)								-	-	-	-
A2.19.9.24. Augmentor fuel control								-	-	-	-
A2.19.9.25. Main fuel pump								-	-	-	-
A2.19.9.26. Augmentor fuel pump								-	-	-	-
A2.19.9.27. Augmentor fuel pump controller								-	-	-	-
A2.19.9.28. Fuel derichment valve								-	-	-	-
A2.19.9.29. Air/oil cooler								-	-	-	-
A2.19.9.30. Fuel/oil cooler								-	-	-	-
A2.19.9.31. Pressurization and dump valve								-	-	-	-
A2.19.9.32. Fuel filters								-	-	-	-
A2.19.9. Remove/Install											
A2.19.9.33. N1 sensor								-	-	-	-
A2.19.9.34. Dual/quad N1 sensor								-	-	-	-
A2.19.9.35. N2 sensor								-	-	-	-
A2.19.9.36. TT2.5 sensor								-	-	-	-
A2.19.9.37. TT2 sensor								-	-	-	-
A2.19.9.38. PS2 probe								-	-	-	-
A2.19.9.39. Exhaust Nozzle position transmitter (ENPT)								-	-	-	-
A2.19.9.40. Overspeed detection unit								-	-	-	-
A2.19.9.41. Idle nozzle reset time delay relay								-	-	-	-
A2.19.9.42. Anti-ice valve								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.19.9.43. Compressor bleed cylinder								-	-	-	-
A2.19.9.44. Compressor Inlet Variable Vane (CIVV) controller								-	-	-	-
A2.19.9.45. CIVV actuator								-	-	-	-
A2.19.9.46. CIVV outer bearings								-	-	-	-
A2.19.9.47. Rear Compressor Variable Vane (RCVV) actuators								-	-	-	-
A2.19.9.48. RCVV bearings and shaft								-	-	-	-
A2.19.9.49. Air pressure regulator								-	-	-	-
A2.19.9.50. Convergent Exhaust Nozzle Control								-	-	-	-
A2.19.9.51. Aj request cable								-	-	-	-
A2.19.9.52. Flex shafts								-	-	-	-
A2.19.9.53. Primary actuator								-	-	-	-
A2.19.9.54. Secondary actuators								-	-	-	-
A2.19.9.55. Convergent nozzle seals								-	-	-	-
A2.19.9.56. Divergent nozzle seals								-	-	-	-
A2.19.9. Remove/Install											
A2.19.9.57. Divergent nozzle segments								-	-	-	-
A2.19.9.58. Convergent nozzle segments								-	-	-	-
A2.19.9.59. Augmentor/liner assembly								-	-	-	-
A2.19.9.60. Augmentor flameholder								-	-	-	-
A2.19.9.61. Light-off detector								-	-	-	-
A2.19.10. Rig											
A2.19.10.1. Aj request cable								-	-	-	-
A2.19.10.2. Nozzle								-	-	-	-
A2.19.11. Throttle system A2.19.11.1. Remove/install components											
A2.19.11.1.1. Throttle quadrant (F-15A/C)								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.19.11.1.2. Throttle quadrant (F-15D/E)								-	-	-	-
A2.19.11.1.3. One piece throttle cable								-	-	-	-
A2.19.11.1.4. Two piece throttle cable								-	-	-	-
A2.19.11.1.5. Throttle interconnect cable								-	-	-	-
A2.19.11.1.6. Throttle sector box								-	-	-	-
A2.19.11.2. Inspect components TR: Applicable -6 TOs								-	-	-	-
A2.19.11.3. Rig throttles								-	-	-	-
A2.19.11.4. Adjust throttle detent								-	-	-	-
A2.19.12. Operate special equipment											
A2.19.12.1. Rigid borescope								-	B	-	-
A2.19.12.2. Flex borescope								-	B	-	-
A2.19.12.3. Supervisory Control System								-	A	-	-
A2.19.12.4. Ignition tester								-	A	-	-
A2.19.12.5. Mach Number Simulator								-	-	-	-
A2.19.12.6. Fuel systems tester								-	-	-	-
A2.19.12.7. Comprehensive Engine Diagnostic System (CEDS)								A	-	-	-
A2.19.13. Troubleshoot engine								-	-	b	-
A2.20. ENGINE STARTING SYSTEM TR: Applicable -2 TOs											
A2.20.1. Components and system operation								A	A	-	B
A2.20.2. Perform operational check								-	-	-	-
A2.20.3. Prime Jet Fuel Starter (JFS)								1b	-	-	-
A2.20.4. Service											
A2.20.4.1. JFS accumulator	*							3c	-	-	-
A2.20.4.2. Central Gear Box (CGB)	*							3c	-	-	-
A2.20.4.3. Aircraft Mounted Accessory Drives (AMAD)	*							3c	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.20.5. Remove/install											
A2.20.5.1. JFS								1b	-	-	-
A2.20.5.2. JFS run/control/ready relay								-	-	-	-
A2.20.5.3. JFS control timer								-	-	-	-
A2.20.5.4. JFS fuel filter								-	-	-	-
A2.20.5.5. JFS fuel control								-	-	-	-
A2.20.5.6. JFS 2-speed switch								-	-	-	-
A2.20.5.7. JFS generator control unit								-	-	-	-
A2.20.5.8. JFS ignition unit								-	-	-	-
A2.20.5.9. JFS ignition plug								-	-	-	-
A2.20.5.10. JFS ignition lead								-	-	-	-
A2.20.5.11. JFS fuel accumulator								-	-	-	-
A2.20.5.12. JFS pressure gauge								-	-	-	-
A2.20.5.13. JFS hand pump								-	-	-	-
A2.20.5. Remove/install											
A2.20.5.14. JFS accumulator bottles								-	-	-	-
A2.20.5.15. JFS hydraulic manifold								-	-	-	-
A2.20.5.16. Hydraulic pressure intensifier								-	-	-	-
A2.20.5.17. JFS control handle								-	-	-	-
A2.20.5.18 JFS control cable								-	-	-	-
A2.20.5.19. CGB								1b	-	-	-
A2.20.5.20. CGB chip detector								-	-	-	-
A2.20.5.21. CGB oil filter and differential pressure indicator								-	-	-	-
A2.20.5.22. CGB isolation decoupler								-	-	-	-
A2.20.5.23. CGB permanent magnet generator								-	-	-	-
A2.20.5.24. CGB hydraulic start motor								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.20.5.25. CGB hydraulic clutch control								-	-	-	-
A2.20.5.26. CGB oil pump and switch assembly								-	-	-	-
A2.20.5.27. AMAD								-	-	-	-
A2.20.5.28. AMAD chip detector								-	-	-	-
A2.20.5.29. AMAD oil filter and differential Pressure indicator								3c	-	-	-
A2.20.5.30. AMAD pawl carrier								-	-	-	-
A2.20.5.31. AMAD oil pump and switch assembly								-	-	-	-
A2.20.5.32. AMAD encase seals								-	-	-	-
A2.20.5.33. AMAD carbon seals								-	-	-	-
A2.20.5.34. AMAD pressure fill fitting								-	-	-	-
A2.20.5.35. AMAD overflow drain								-	-	-	-
A2.20.5.36. AMAD sight gauge								-	-	-	-
A2.20.5. Remove/install											
A2.20.5.37. AMAD Power Take-off (PTO)								2b	-	-	-
A2.20.6. Troubleshoot engine starting system								-	-	c	-
A2.20.7. Operate secondary power system test set											
A2.20.7.1. Static test								A	-	-	-
A2.20.7.2. Dynamic test								A	-	-	-
A2.21. FUELS TR: Applicable AFOSH Standards; TO 00-25-172; Applicable -2 TO											
A2.21.1. Fuel system fundamentals								A	A	-	-
A2.21.2 Components and system operation								A	-	-	B
A2.21.3. Operate basic system trainers (J3ATR2A020 001 3-levle course only)								1b	-	-	-
A2.21.4. Inspect basic fuel system (J3ATR2A020 001 3-level course only)								1b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.21.5. Classify fuel leaks								-	-	-	-
A2.21.6. Perform operational check											
A2.21.6.1. Internal fuel system								-	-	-	-
A2.21.6.2. External fuel system								-	-	-	-
A2.21.7. Refuel aircraft (normal) power off											
A2.21.7.1. Team member	*							3c	-	-	-
A2.21.7.2. Team supervisor		*						-	-	-	-
A2.21.8. Refuel aircraft power on											
A2.21.8.1. Team member								2b	-	-	-
A2.21.8.2. Team supervisor								-	-	-	-
A2.21.9. Refuel aircraft (with engine operating)											
A2.21.9.1. Team member								-	-	-	-
A2.21.9.2. Team supervisor								-	-	-	-
A2.21.10. Defuel aircraft power off											
A2.21.10.1. Team member	*							2b	-	-	-
A2.21.10.2. Team supervisor		*						-	-	-	-
A2.21.11. Defuel aircraft power on											
A2.21.11.1. Team member								2b	-	-	-
A2.21.11.2. Team supervisor								-	-	-	-
A2.21.12. Prepare aircraft for fuel cell maintenance								-	-	-	-
A2.21.13. External fuel tanks											
A2.21.13.1. Remove/Install	*							3c	-	-	-
A2.21.13.2. Perform operational check								b	-	-	-
A2.21.13.3. Alternate defuel								-	-	-	-
A2.21.14. Air-Air Refueling (AAR) system											
A2.21.14.1. Components and system operation								A	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.21.14.2. Remove/Install AAR components											
A2.21.14.2.1. Door								-	-	-	-
A2.21.14.2.2. Open/close linkage								-	-	-	-
A2.21.14.2.3. Actuator								-	-	-	-
A2.21.14.3. Inspect AAR components TR: Applicable -6 TO								-	-	-	-
A2.21.14.4. Perform operational check								-	-	-	-
A2.21.14.5. Rig								-	-	-	-
A2.21.15. Conformal fuel tanks											
A2.21.15.1. Remove/Install								-	-	-	-
A2.21.15.2. Defuel/Depuddle								-	-	-	-
A2.21.15.3. Perform operational check								-	-	-	-
A2.22. ELECTRICAL TR: Aircraft TOs											
A2.22.1. Electrical system fundamentals								A	A	-	-
A2.22.2. Components and system operation								A	-	-	B
A2.22.3. Operate											
A2.22.3.1. Internal lighting	*							3c	-	-	-
A2.22.3.2. External lighting	*							3c	-	-	-
A2.22.3.3. Indicator/warning lights	*							3c	-	-	-
A2.22.3.4. Emergency generator								-	-	-	-
A2.22.4. Remove/Install A2.22.4.1. Light lenses/bulbs											
A2.22.4.1.1. Landing light	*							3c	-	-	-
A2.22.4.1.2. Taxi light	*							3c	-	-	-
A2.22.4.1.3. Stab anti-collision light								-	-	-	-
A2.22.4.1.4. Wing anti-collision light								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.22.4.1.5. Wing position light	*							3c	-	-	-
A2.22.4.1.6. Stab position light	*							3c	-	-	-
A2.22.4.1.7. Stab floodlight								-	-	-	-
A2.22.4.1.8. AAR door floodlight								-	-	-	-
A2.22.4.2. Integrated Drive Generator (IDG)								-	-	-	-
A2.22.4.3. Emergency generator								-	-	-	-
A2.22.4.4. Emergency generator/stab selector valve								-	-	-	-
A2.22.5. IDG											
A2.22.5.1. Service	*							3c	-	-	-
A2.22.5.2. Drain								-	-	-	-
A2.22.5.3. Flush								-	-	-	-
A2.22.5.4. Replace oil filter/Delta “P”								-	-	-	-
A2.22.6. Use wiring diagrams								-	-	-	-
A2.22.7. Connect/Apply external electrical power	*							3c	-	-	-
A2.22.8. Disconnect external electrical power	*							3c	-	-	-
A2.22.9. Inspect electrical system								1b	-	-	-
A2.23. EGRESS TR: Applicable -2 TOs											
A2.23.1. Components and system operation								A	-	-	-
A2.23.2. Inspect egress system and safety devices TR: Applicable -6 TO	*							3c	-	-	-
A2.23.3. Remove/Install safety pins	*							3c	-	-	-
A2.23.4. Perform cockpit entry procedures											
A2.23.4.1. Normal	*							3c	-	-	-
A2.23.4.2. Alternate	*							3c	-	-	-
A2.24. AERIAL GUNNERY TARGET											

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
SYSTEM (AGTS) TR: TOs A/A 37U-33/36, 43E11-24-11											
A2.24.1. AGTS components and system operation								-	-	-	-
A2.24.2. Remove/Install											
A2.24.2.1. AGTS								-	-	-	-
A2.24.2.2. Components								-	-	-	-
A2.24.3. Repair AGTS components								-	-	-	-
A2.24.4. Perform operational check								-	-	-	-
A2.24.5. Inspect system and components TR: Applicable -6 TOs								-	-	-	-
A2.25. AEROSPACE GROUND EQUIPMENT TR: Applicable AFOSH STDS 91 Series											
A2.25.1. Maintenance stands TR: AFOSH STD 91-2, TO 35A4 Series											
A2.25.1.1. Purpose and description								A	B	-	-
A2.25.1.2. Perform pre-use inspection	*							3c	-	-	-
A2.25.1.3. Use	*							3c	-	-	-
A2.25.2. Engine stands and dollies TR: TO 35D3 series											
A2.25.2.1. Purpose and description								-	B	-	-
A2.25.2.2. Perform pre-use inspection								3c	-	-	-
A2.25.2.3. Use								3c	-	-	-
A2.25.3. Aircraft jacks TR: TO 35A2 Series											
A2.25.3.1. Purpose and description								A	B	-	-
A2.25.3.2. Perform pre-use inspection								2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.25.3.3. Use								2b	-	-	-
A2.25.4. Gaseous oxygen servicing equipment TR: TO 37C2-8											
A2.25.4.1. Purpose and description								A	-	-	-
A2.25.4.2. Perform pre-use inspection								1b	-	-	-
A2.25.4.3. Use								1b	-	-	-
A2.25.5. Liquid oxygen servicing equipment TR: TOs 37C2-8; 15X-1-1											
A2.25.5.1. Purpose and description								A	B	-	-
A2.25.5.2. Perform pre-use inspection	*							3c	-	-	-
A2.25.5.3. Use	*							3c	-	-	-
A2.25.6. Air compressors TR: TO 34Y1 Series											
A2.25.6.1. Purpose and description								A	B	-	-
A2.25.6.2. Perform pre-use inspection								2b	-	-	-
A2.25.6.3. Use								2b	-	-	-
A2.25.7. Ground heaters and blowers TR: TO 35E7 Series											
A2.25.7.1. Purpose and description								A	B	-	-
A2.25.7.2. Perform pre-use inspection								2b	-	-	-
A2.25.7.3. Use								2b	-	-	-
A2.25.8. Generator Sets TR: TO 35C2 Series											
A2.25.8.1. Purpose and description								A	A	-	-
A2.25.8.2. Perform pre-use inspection								2b	-	-	-
A2.25.8.3. Use								2b	-	-	-
A2.25.9. Lighting equipment TR: TO 35F5 Series											
A2.25.9.1. Purpose and description								A	A	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.25.9.2. Perform pre-use inspection								2b	-	-	-
A2.25.9.3. Use								2b	-	-	-
A2.25.10. Hydraulic test stand TR: TO 33A2 Series											
A2.25.10.1. Purpose and description								A	B	-	-
A2.25.10.2. Perform pre-use inspection	*							3c	-	-	-
A2.25.10.3. Use	*							3c	-	-	-
A2.25.11. Air conditioning units TR: TO 35E9 Series											
A2.25.11.1. Purpose and description								A	A	-	-
A2.20.11.2. Perform pre-use inspection								3c	-	-	-
A2.25.11.3. Use								3c	-	-	-
A2.25.12. Gas turbine compressors TR: TO 35D12 Series											
A2.25.12.1. Purpose and description								A	A	-	-
A2.25.12.2. Perform pre-use inspection								2b	-	-	-
A2.25.12.3. Use								2b	-	-	-
A2.25.13. Tow vehicles TR: TO 36A10 Series											
A2.25.13.1. Purpose and description								A	A	-	-
A2.25.13.2. Perform pre-use inspection								-	-	-	-
A2.25.13.3. Use								-	-	-	-
A2.25.14. Liquid nitrogen servicing equipment TR: TO 35D3 Series											
A2.25.14.1. Purpose and description								A	B	-	-
A2.25.14.2. Perform pre-use inspection								3c	-	-	-
A2.25.14.3. Use								3c	-	-	-
A2.25.15. Gaseous nitrogen servicing equipment TR: TO 35D3 Series											

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC
A2.25.15.1. Purpose and description								A	B	-	-
A2.25.15.2. Perform pre-use inspection								1b	-	-	-
A2.25.15.3. Use								1b	-	-	-
A2.25.16. Oil servicing carts TR: TO 35A17											
A2.25.16.1. Purpose and description								A	A	-	-
A2.25.16.2. Perform pre-use inspection	*							3c	-	-	-
A2.25.16.3. Use	*							3c	-	-	-
A2.25.17. Hydraulic servicing carts TR: TO 35D29 Series											
A2.25.17.1. Purpose and description								A	A	-	-
A2.25.17.2. Perform pre-use inspection	*							3c	-	-	-
A2.25.17.3. Use	*							3c	-	-	-
A2.25.18. Crash recovery equipment											
A2.25.18.1. Purpose								A	B	-	-
A2.25.18.2. Maintenance								-	-	-	-
A2.25.18.3. Use								-	A	-	-

F-15 QUALITATIVE TRAINING REQUIREMENTS

STS 2A3X3A

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(1) CDC	(1) Course	(2) CDC

F-15 MATRIX

NOTE 1: The column titled Phase 3A of the following matrix identifies resident training in the Aircraft Maintenance Fundamentals course conducted at Sheppard AFB Texas. ***Training in this course is provided on various types of aircraft. This course is a prerequisite for all crew chief students and is not listed separately in AFCAT 36-2223, USAF Formal Schools Catalog. It is included under course J3AQR2A333A 002.*** The column titled Phase 3B identifies specific F-15 weapon system training received at Sheppard. The column titled Phase 3C identifies training received at Tyndall AFB, Florida.

NOTE 2: All three phases of training are combined to form STS attachment 2. STS items in attachment 2 for resident training are proficiency coded to show highest level taught.

NOTE 3: Weapon system peculiar items not being taught due to weapon system configuration at student's end assignment do not require a Training Deficiency Letter to be issued.

Weapon System	Course Number	Course Length
F-15 (Phase 3A)	**J3ATR2A020 001**	**23 Days**
F-15 (Phase 3B)	**J3AQR2A333A 002**	**73 Days**
F-15 (Phase 3C)	**J3ABP2A333A 002**	**18 Days**

STS ELEMENT	TASK	PH 3A	PH 3B	PH 3C
A2.1.3.	Progression in career ladder 2A3X3A	A	-	-
A2.1.4.	Duties of AFS 2A3X3A	B	-	-
A2.2.	Operations Security (OPSEC)	A	-	-
A2.3.1.	Housekeeping consistent with safety of personnel and equipment	A	-	-
A2.3.2.1.	Safety Precautions: Engine air intake and exhaust	A	-	-
A2.3.2.2.	Safety Precautions: High intensity sound	A	-	-
A2.3.2.3.	Safety Precautions: Turbine plane of rotation	A	-	-
A2.3.2.4.	Safety Precautions: Radio frequency radiation	A	-	-
A2.3.2.5.	Safety Precautions: Ground handling of aircraft	A	-	-
A2.3.2.6.	Safety Precautions: Hot brakes	A	-	-
A2.3.2.7.	Safety Precautions: Use of tools and equipment	A	-	-
A2.3.2.8.	Safety Precautions: Servicing aircraft systems	A	-	-
A2.3.2.9.	Safety Precautions: Cleaning agents	A	-	-
A2.3.2.10.	Safety Precautions: Solvents	A	-	-
A2.3.2.11.	Safety Precautions: Lubricants	A	-	-
A2.3.3.1.	Fire extinguishers: Inspect	2b	-	-
A2.3.3.2.	Fire extinguishers: Position	2b	-	-
A2.3.3.3.	Fire extinguishers: Operate	b	-	-
A2.3.4.	Foreign Object Damage (FOD)	B	-	-
A2.3.6.1.	Hazardous chemicals: Use	A	-	-
A2.3.6.2.	Hazardous chemicals: Disposal	A	-	-
A2.3.6.3.	Hazard Communication Training Program	B	-	-
A2.4.1.	TO system	A	-	-
A2.4.2.	Air Force manuals and instructions	A	-	-
A2.4.3.	Use technical publications	2b	3c	-
A2.4.4.	Technical Order Improvement Reporting	A	-	-
A2.7.1.	Basic functions within maintenance	A	-	-
A2.8.1.	Purpose of Maintenance Data Collection (MDC)	A	-	-
A2.8.3.1.	Use aircraft and supporting maintenance records	2b	-	-

STS ELEMENT	TASK	PH 3A	PH 3B	PH 3C
A2.8.3.2.	Document AFTO Form 781H	-	2b	3c
A2.8.3.3.	Document AFTO Form 781A	-	2b	3c
A2.8.3.4.	Document AFTO Form 781J	-	2b	3c
A2.8.3.5.	Document AFTO Form 781K	-	2b	3c
A2.8.3.7.	Document DD Form 2026 (JOAP)	-	-	2b
A2.8.3.8.	Document AFTO Form 93	-	2b	3c
A2.8.3.9.	Document AFTO Form 241	-	2b	3c
A2.8.3.10.	Automated forms	-	-	1a
A2.8.4.1.	Use Core Automated Maintenance System (CAMS)	2b	-	-
A2.8.4.2.	Create job (CAMS)	-	2b	-
A2.8.4.3.	Clear job (CAMS)	-	2b	-
A2.8.4.4.	Schedule job (CAMS)	-	2b	-
A2.8.4.5.	Defer job (CAMS)	-	2b	-
A2.8.5.	Use MDC forms	2b	-	-
A2.8.7.	Product Quality Deficiency Reporting	A	-	-
A2.9.4.1.	Purpose of hardware	A	-	-
A2.9.4.2.	Use hardware	2b	-	-
A2.9.5.1.	Purpose of electrical connectors	A	-	-
A2.9.5.2.	Use electrical connectors	2b	-	-
A2.9.6.1.	Purpose of securing devices	A	-	-
A2.9.6.2.	Use securing devices	2b	-	-
A2.9.7.	Lubricants	A	-	-
A2.9.8.	Select and use sealants	A	-	-
A2.9.9.	Select and use adhesives	A	-	-
A2.9.10.	Select and use cleaning agents	A	-	-
A2.9.11.1.	Select hand tools	2b	-	-
A2.9.11.2.	Use hand tools	2b	-	-
A2.9.12.1.	Select measuring tools	2b	-	-
A2.9.12.2.	Use measuring tools	2b	-	-

STS ELEMENT	TASK	PH 3A	PH 3B	PH 3C
A2.9.13.	Use multimeter	1b	-	-
A2.9.14.1.	Select torque wrenches	2b	-	-
A2.9.14.2.	Use torque wrenches	2b	-	-
A2.9.15.	Tool control	B	-	-
A2.10.4.	Ordering parts	A	2b	-
A2.10.6.	Preparing repairable and serviceable parts for turn-in	A	-	-
A2.11.4.	Engine and support warranty	A	-	-
A2.11.5.1.	Aircraft cleaning	A	-	-
A2.11.5.2.	Corrosion identification	A	-	-
A2.11.5.3.	Corrosion treatment	A	-	-
A2.11.6.	Avionics components and system operation	-	A	-
A2.11.7.	Weapon system components	-	A	-
A2.11.8.	Safe aircraft for maintenance	-	3c	-
A2.11.9.1.	Inspection concepts	A	-	-
A2.11.9.2.	Periodic inspection concept	-	B	-
A2.11.9.3.1.	Perform preflight inspection	1b	-	-
A2.11.9.3.2.	Perform basic postflight inspection	1b	-	-
A2.11.9.3.3.	Perform preflight/basic postflight combination	-	2b	3c
A2.11.9.3.5.	Perform thruflight inspection	-	2b	3c
A2.11.9.4.2.	Perform Over-G inspection	-	b	-
A2.11.9.4.3.	Perform lighting strike inspection	-	a	-
A2.11.9.4.4.	Perform engine bay inspection	-	2b	-
A2.11.10.2.	Use interphone	-	3c	-
A2.11.11.1.	Perform ground handling	A	-	-
A2.11.11.2.	Launch aircraft	-	B	3c
A2.11.11.3.	Recover aircraft	-	B	3c
A2.11.11.4.1.	Tow aircraft-team member	-	3c	-
A2.11.11.6.1.	Jacking team member	-	3c	-
A2.11.11.6.3.	Axle jacking	-	3c	-

STS ELEMENT	TASK	PH 3A	PH 3B	PH 3C
A2.11.11.8.	Lubricate aircraft after wash	-	2b	3c
A2.11.11.9.	Apply external cooling air	-	2b	-
A2.12.1.	Airframe structure and components	A	A	-
A2.12.4.1.	Remove/install airframe components	1b	-	-
A2.12.4.4.	Remove/install panels	-	3c	-
A2.12.4.5.	Remove/install stress panels	-	3c	-
A2.12.5.1.	Open/close hingeable doors	-	3c	-
A2.12.5.2.	Open/close radome	-	2b	-
A2.12.6.	Inspect airframe components	1b	-	-
A2.13.1.	Canopy components and system operation	-	A	-
A2.13.5.1.	Operate canopy-manual	-	3c	-
A2.13.5.2.	Operate canopy-normal	-	3c	-
A2.13.6.1.	Service canopy actuator	-	3c	-
A2.13.6.2.	Service canopy accumulator	-	3c	-
A2.14.1.	Landing gear fundamentals	A	-	-
A2.14.2.	Landing gear components and system operation	-	A	-
A2.14.3.1.	Operate landing gear-normal	-	1b	-
A2.14.3.2.	Operate brakes-normal	-	1b	-
A2.14.3.4.	Operate arresting gear-normal	-	1b	-
A2.14.4.1.	Operate emergency landing gear extension	-	1b	-
A2.14.4.2.	Operate emergency system brakes	-	3c	-
A2.14.4.3.	Operate emergency system steering	-	2b	-
A2.14.5.1.	Nose wheel steering components	-	B	-
A2.14.5.3.	Operate nose wheel steering	-	2b	-
A2.14.7.1.	Service landing gear struts	1b	3c	-
A2.14.7.2.	Service tires	1b	3c	-
A2.14.7.3.	Service arresting gear actuator	-	3c	-
A2.14.7.4.	Service damper	-	3c	-
A2.14.8.1.	Remove/install wheel and tire assemblies	1b	3c	-

STS ELEMENT	TASK	PH 3A	PH 3B	PH 3C
A2.14.8.2.1.	Remove/install brake assemblies	1b	3c	-
A2.14.8.4.4.	Remove/install hook damper	-	2b	-
A2.14.9.	Bleed brakes	1b	3c	-
A2.14.10	Determine serviceability of aircraft tires	-	2b	3c
A2.14.13.1.	Operate gear doors-manual	-	3c	-
A2.14.14.	Inspect landing gear	1b	-	-
A2.15.1.	Utility system fundamentals	A	-	-
A2.15.2.	Utility system components and system operation	-	A	-
A2.15.3.6.	Perform operational check of fire/overheat warning system	1b	2b	-
A2.15.3.7.	Perform operational check for oxygen system quantity	1b	3c	-
A2.15.4.1.	Inspect oxygen system	1b	-	-
A2.15.4.2.	Inspect fire/overheat warning system	1b	-	-
A2.15.5.	Service oxygen system	-	3c	-
A2.15.6.	Remove/install liquid oxygen converter	-	3c	-
A2.16.1.	Flight control system fundamentals	A	-	-
A2.16.2.	Flight control component identification and system operation	A	A	-
A2.16.3.	Perform operational check of flight controls	1b	-	-
A2.16.4.	Inspect flight control components	1b	-	-
A2.17.1.	Hydraulic system fundamentals	A	-	-
A2.17.2.	Hydraulic components and system operation	-	A	-
A2.17.3.	Service hydraulics	1b	2b	3c
A2.17.6.	Apply hydraulic pressure	-	3c	-
A2.17.8.2.	Remove/install hydraulic pumps	-	3c	-
A2.17.8.7.	Remove/install other hydraulic components	1b	-	-
A2.17.9.	Inspect hydraulic system	1b	-	-
A2.18.1.	Air induction components and system operation	-	A	-
A2.19.1.	Engine system fundamentals	A	-	-
A2.19.2.	Engine components and system operation	-	A	-
A2.19.3.	Engine monitoring systems	-	A	-

STS ELEMENT	TASK	PH 3A	PH 3B	PH 3C
A2.19.6.	Identify engine components	1b	-	-
A2.19.7.	Inspect engine components	1b	-	-
A2.19.8.1.	Inspect oil system magnetic chip detectors	-	2b	3c
A2.19.8.2.	Service oil system	a	2b	3c
A2.19.8.6.	Take JOAP sample	1b	-	2b
A2.19.9.1.	Remove/install engine	-	2b	-
A2.19.12.7.	Operate Comprehensive Engine Diagnostic System (CEDS)	-	A	-
A2.20.1.	Engine starting system components and system operation	-	A	-
A2.20.3.	Prime Jet Fuel Starter (JFS)	-	1b	-
A2.20.4.1.	Service JFS accumulator	-	3c	-
A2.20.4.2.	Service Central Gear Box (CGB)	-	2b	3c
A2.20.4.3.	Service Aircraft Mounted Accessory Drives (AMAD)	-	2b	3c
A2.20.5.1.	Remove/install JFS	-	1b	-
A2.20.5.19.	Remove/install CGB	-	1b	-
A2.20.5.29.	Remove/install AMAD oil filter and differential pressure indicator	-	3c	-
A2.20.5.37	AMAD Power Take-off (PTO)	-	2b	-
A2.20.7.1.	Secondary power system static test	-	A	-
A2.20.7.2.	Secondary power system dynamic test	-	A	-
A2.21.1.	Fuel system fundamentals	A	-	-
A2.21.2.	Fuel components and system operation	-	A	-
A2.21.3.	Operate basic fuel system trainers	1b	-	-
A2.21.4.	Inspect basic fuel system	1b	-	-
A2.21.7.1.	Refuel aircraft power off-team member	-	2b	3c
A2.21.8.1.	Refuel aircraft power on-team member	-	2b	-
A2.21.10.1.	Defuel aircraft power off-team member	-	2b	-
A2.21.11.1.	Defuel aircraft power on-team member	-	2b	-
A2.21.13.1.	Remove/install external fuel tanks	-	3c	-
A2.21.13.2.	Perform operational check external fuel tanks	-	b	-
A2.21.14.1.	Air-Air Refueling (AAR) components and system operation	-	A	-

STS ELEMENT	TASK	PH 3A	PH 3B	PH 3C
A2.22.1.	Electrical system fundamentals	A	-	-
A2.22.2.	Electrical components and system operation	-	A	-
A2.22.3.1.	Operate internal lighting	1b	3c	-
A2.22.3.2.	Operate external lighting	1b	3c	-
A2.22.3.3.	Operate indicator/warning lights	1b	3c	-
A2.22.4.1.1.	Remove/install landing light	-	3c	-
A2.22.4.1.2.	Remove/install taxi light	-	3c	-
A2.22.4.1.5.	Remove/install wing position light	1b	3c	-
A2.22.4.1.6.	Remove/install stab position light	-	3c	-
A2.22.5.1.	Service IDG	-	2b	3c
A2.22.7.	Connect/apply external electrical power	-	3c	-
A2.22.8.	Disconnect external electrical power	-	3c	-
A2.22.9.	Inspect electrical system	1b	-	-
A2.23.1.	Egress components and system operation	-	A	-
A2.23.2.	Inspect egress system and safety devices	-	3c	-
A2.23.3.	Remove/install safety pins	-	3c	-
A2.23.4.1.	Normal cockpit entry procedures	-	3c	-
A2.23.4.2.	Alternate cockpit entry procedures	-	3c	-
A2.25.1.1.	Maintenance stands-purpose and description	A	-	-
A2.25.1.2.	Maintenance stands-perform pre-use inspection	2b	3c	-
A2.25.1.3.	Use maintenance stands	2b	3c	-
A2.25.2.2.	Engine stands and dollies- perform pre-use inspection	-	3c	-
A2.25.2.3.	Use engine stands and dollies	-	3c	-
A2.25.3.1.	Aircraft jacks-purpose and description	A	-	-
A2.25.3.2.	Aircraft jacks-perform pre-use inspection	2b	-	-
A2.25.3.3.	Use aircraft jacks	2b	-	-
A2.25.4.1.	Gaseous oxygen servicing equipment-purpose and description	A	-	-
A2.25.4.2.	Gaseous oxygen servicing equipment-perform pre-use inspection	1b	-	-
A2.25.4.3.	Use gaseous oxygen servicing equipment	1b	-	-

STS ELEMENT	TASK	PH 3A	PH 3B	PH 3C
A2.25.5.1.	Liquid oxygen servicing equipment-purpose and description	A	-	-
A2.25.5.2.	Liquid oxygen servicing equipment-perform pre-use inspection	1b	3c	-
A2.25.5.3.	Use liquid oxygen servicing equipment	1b	3c	-
A2.25.6.1.	Air compressors-purpose and description	A	-	-
A2.25.6.2.	Air compressors-perform pre-use inspection	2b	-	-
A2.25.6.3.	Use air compressors	2b	-	-
A2.25.7.1.	Ground heaters and blowers-purpose and description	A	-	-
A2.25.7.2.	Ground heaters and blowers-perform pre-use inspection	2b	-	-
A2.25.7.3.	Use ground heaters and blowers	2b	-	-
A2.25.8.1.	Generator sets-purpose and description	A	-	-
A2.25.8.2.	Generator sets-perform pre-use inspection	2b	-	-
A2.25.8.3.	Use generator sets	2b	-	-
A2.25.9.1.	Lighting equipment-purpose and description	A	-	-
A2.25.9.2.	Lighting equipment-perform pre-use inspection	2b	-	-
A2.25.9.3.	Use lighting equipment	2b	-	-
A2.25.10.1.	Hydraulic test stand-purpose and description	A	-	-
A2.25.10.2.	Hydraulic test stand-perform pre-use inspection	-	3c	-
A2.25.10.3.	Use hydraulic test stand	-	3c	-
A2.25.11.1.	Air conditioning units-purpose and description	A	-	-
A2.25.11.2.	Air conditioning units-perform pre-use inspection	-	3c	-
A2.25.11.3.	Use air conditioning units	-	3c	-
A2.25.12.1.	Gas turbine compressors-purpose and description	A	-	-
A2.25.12.2.	Gas turbine compressors-perform pre-use inspection	2b	-	-
A2.25.12.3.	Use gas turbine compressors	2b	-	-
A2.25.13.1.	Tow vehicles-purpose and description	A	-	-
A2.25.14.1.	Liquid nitrogen servicing equipment-purpose and description	A	-	-
A2.25.14.2.	Liquid nitrogen servicing equipment-perform pre-use inspection	1b	-	3c
A2.25.14.3.	Use liquid nitrogen servicing equipment	1b	-	3c
A2.25.15.1.	Gaseous nitrogen servicing equipment-purpose and description	A	-	-

STS ELEMENT	TASK	PH 3A	PH 3B	PH 3C
A2.25.15.2.	Gaseous nitrogen servicing equipment-perform pre-use inspection	1b	-	-
A2.25.15.3.	Use gaseous nitrogen servicing equipment	1b	-	-
A2.25.16.1.	Oil servicing carts-purpose and description	A	-	-
A2.25.16.2.	Oil servicing carts-perform pre-use inspection	-	3c	-
A2.25.16.3.	Use oil servicing carts	-	3c	-
A2.25.17.1.	Hydraulic servicing carts-purpose and description	A	-	-
A2.25.17.2.	Hydraulic servicing carts-perform pre-use inspection	-	3c	-
A2.25.17.3.	Use hydraulic servicing carts	-	3c	-
A2.25.18.1.	Purpose of crash recovery equipment	A	-	-

Section B - Course Objective List

4. Measurement. Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is comprised of a condition, behavior, and standard which states what is expected of the student for each task. The condition is the setting in which the training takes place. The behavior is the action a student must demonstrate to accomplish a task (i.e. remove and install a wheel and tire assembly). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter code(s) to identify how it is measured. All objectives use the **PC** code which indicates a progress check is used to measure subject or task knowledge. Progress checks are also used to measure student accomplishment of performance objectives. **W** indicates a comprehensive written test and is used to measure the subject and/or task knowledge at the end of a block of instruction. **PC/W** indicates separate measurement of both knowledge and performance elements using a written test and a performance progress check.

5. Standard. The standard is 70% on written examinations. Standards for performance measurement are indicated in the objective and delineated on the individual progress checklist. The checklist is used by the instructor to document each student's progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

6. Proficiency Level. Most task performance is taught to the "2b" or "3c" proficiency level. The "2b" means the student can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. The "3c" means the student can do all parts of the task but may need a spot check of completed work (Competent). The student should be able to identify why and when the task must be done and why each step is needed.

7. Course Objectives. If you require a detailed copy of course descriptions and objectives, please provide a written request to the AETC Training Manager, 362 TRS/TRR, 613 10th Avenue, Sheppard AFB TX 76311-2352.

Course J3ATR2A020 001, Aircraft Maintenance Fundamentals. This course is 23 days long and a prerequisite course for all aircraft maintenance apprentices (fixed wing) before entry into AFS awarding training in follow-on courses at Sheppard or in training detachments. Provides an overview of career progression, security, technical orders, maintenance management, maintenance documentation, aircraft and flightline safety. Students are taught to use handtools and hardware, aerospace ground equipment, and to perform ground handling, corrosion identification and inspection procedures. Fundamental concepts of airframe, egress, electrical, engines, environmental, hydraulics, landing gear, flight controls, and related systems are presented. The course provides familiarization to personnel assigned to heavy aircraft (bombers, tankers, and airlift) and light aircraft (fighters and attack). The course hours are included in the

course charts of AFS-awarding aerospace maintenance apprentice courses. See attachment 3, Aircraft Fundamentals and F-15 MRT Matrix.

Course J3AQR2A333A 002, Fighter Aircraft Maintenance Apprentice (F-15). This course includes the 23 day Aircraft Maintenance Fundamentals course listed above plus 73 days of weapon specific training on the F-15 aircraft. The AFSC 2A333A will be awarded after completion of this course and completion of course J3ABP2A333A 002, Fighter Aircraft Maintenance Apprentice (F-15), at Tyndall AFB Florida. Training includes F-15 technical order system, maintenance management, maintenance documentation (CAMS and AFTO Forms), aircraft and flight line safety (AFOSH), inspection and use of aircraft support equipment, and aircraft ground handling. Hands-on training is also provided on aircraft systems such as canopy, airframe, electrical, utilities, hydraulics, landing gear, engines, engine starting system, egress, and fuels. Students will also perform various aircraft and system inspections, service aircraft systems, and lubricate the aircraft. Students will be certified as 3-levels on various tasks in this course. See attachment 3, Aircraft Fundamentals and F-15 MRT Matrix.

Course J3ABP2A333A 002, **Fighter Aircraft Maintenance Apprentice (F-15).** Includes 18 days of task certification training as 3-levels at Tyndall AFB Florida on AFTO Forms, and inspections such as preflight/basic postflight and thruflight. Task certification is also performed on aircraft launch and recovery, lubricate aircraft after wash, determine serviceability of aircraft tires, inspect oil system magnetic chip detectors, and service the oil system, hydraulics, CGB, AMAD, and IDG. Additional task certification is done on refueling an aircraft as a team member with power off and inspection and use of liquid nitrogen servicing equipment. See attachment 3, Aircraft Fundamentals and F-15 MRT Matrix.

Course J3ACR2A373A 000, **F-15 Aircraft Maintenance Craftsman**. Provides detailed instruction in the use of technical orders, system schematics, troubleshooting, charts/log trees, and system components for Air Force personnel who possess AFSC 2A353A. Course addresses management and supervisory areas unique to the aircraft maintenance career field. Prerequisites are: must complete all CDCs, AF core tasks, and have 12 months OJT as a SSgt (6 months for retrainee).

Section C - Support Materials:

8. The following list of support materials is not all inclusive; however, it covers the most frequently referenced areas. Support material is any training package designed to enhance the learning process at any level of training. Refer to AFCAT 36-2223, USAF Formal Schools, for information on AETC formal courses.

8.1. This paragraph list the Training Detachment courses and address for points of contact for information on these courses. The address is: 372 TRS/TXC, 912 I Avenue, Suite 3, Sheppard AFB Texas 76311-2361, DSN 736-4791.

COURSE NUMBER	**COURSE TITLE**	**OPR**
J4AMF/ASF/AST2A3X3A 004	F-15 Aircraft Maintenance (Engine Starting System)	372TRS
J4AMF/ASF/AST2A3X3A 006	F-15 Tactical Aircraft Maintenance Journeyman/Craftsman	372 TRS
J4AMF/ASF/AST2A3X3A 013	F-15 Tactical Aircraft Maintenance Journeyman/Craftsman (Flight Control System)	372 TRS
J4AMF/ASF/AST2A3X3A 017	F-15 Tactical Aircraft Maintenance (Pneudraulic)	372 TRS
J4AMF/ASF/AST2A3X3A 027	War Ready Material (WRM) Fuel Tank Build-up (Initial)	372 TRS
J4AMF/ASF/AST2A3X3A 028	War Ready Material (WRM) Fuel Tank Build-up (Refresher)	372 TRS
J4AMF/ASF/AST2A3X3A 029	F-15A,B,C,D,E, Tactical Aircraft Maintenance (Canopy Rigging)	372 TRS
J4AMF/ASF/AST2A3X3A 031	F-15 Tactical Aircraft Maintenance) (Canopy Rigging [(Combat Readiness Training (CRT)]	372 TRS
J4AMF/ASF/AST2A3X3A 032	F-15 Tactical Aircraft Maintenance [(Combat Readiness Training (CRT)]	372 TRS
J4AMF/ASF/AST2A3X3A 033	F-15 Tactical Aircraft Maintenance (Pneudraulic) [(Combat Readiness Training (CRT)]	372 TRS
J4AMF/ASF/AST2A3X3A 034	F-15 Tactical Aircraft Maintenance (Flight Control System) [(Combat Readiness Training (CRT)]	372 TRS

COURSE NUMBER	COURSE TITLE	OPR
J4AMF/ASF/AST2A3X3A 035	F-15 Aircraft Maintenance (Engine Starting System) [(Combat Readiness Training (CRT)]	372 TRS

8.2. The following Interactive Courseware (ICW) is available from, or under development by 367 TRS/TRSS at Hill AFB Utah. To obtain more information about each course, request a copy of the Courseware Catalog from 367 TRS, 6058 Aspen, Building 1295, Hill AFB UT 84056-5805. Their FAX number is DSN 777-0897 and their customer service number is DSN 777-0160. To request ordering information on hardware, your MAJCOM training POC (for ACC, AMC, and ANG) is the first stop. For personnel under other MAJCOMs, you can contact them directly and they will provide you the information required for purchasing the item through them. If you decide to purchase the system, they will FAX you the AF Form 616 to use for an example. The 367 TRSS internet site is: http://www.hill.af.mil/367TRSS/findex.htm.

COURSE NUMBER	COURSE TITLE
00TIV0007	Potential Hazards of Oxygen Enriched Environments
00TIV0001V1	Troubleshooting Techniques
00TIV0002	Aerospace Ground Equipment Training
00TCB0002V1	Multimeter Familiarization
00CIV0008	Use and Care of Type III Torque Wrenches
00TIV1000	Aircraft Marshaling
00TVT0017V1	General Aircraft Corrosion Control
15AIV1301	F-15 Landing Gear Troubleshooting and Maintenance
15AIV1401	F-15C Manual Flight Controls
15MIV2303	F-15E Pressure Test Set
15MIV23KC	F-15E Engine Ignition System
15TIV23K1	F-100 Engine Ignition System
15TIV23H1	F-15 Supervisory Control System (SCS)

COURSE NUMBER	COURSE TITLE
15AIV2400	F-15 Secondary Power System Troubleshooting and Maintenance
15AIV2401	F-15 Secondary Power System Advance Troubleshooting
15AIV4500	F-15 Hydraulic System Troubleshooting and Maintenance
15AIV4600	F-15 Fuel System Troubleshooting and Maintenance
15AIV52A1	F-15C Automatic Flight Controls

Section D - Training Course Index:

9. Purpose: This index lists Air Force resident, ECI, and exportable courses used to support training for this specialty. Refer to AFCAT 36-2223, USAF Formal Schools, for information on AETC formal courses listed below.

9.1. Air Force In-Residence Courses:

COURSE NUMBER	TITLE	OPR	USER
J3AQR2A333A 002	Fighter Aircraft Maintenance Apprentice (F-15)	362 TRS	USAF
J3ABP2A333A 002	Fighter Aircraft Maintenance Apprentice (F-15)	362 TRS	USAF
J3ACR2A373A 000	F-15 Aircraft Maintenance Craftsman	362 TRS	USAF
J3AZR2A300 000	Fighter Maintenance Weight and Balance (Hands-On)	362 TRS	USAF

9.2. Extension Course Institute (ECI) Courses:

COURSE NUMBER	TITLE	LOCATION	USER
CDC 2A353A	F-15 Aircraft Maintenance Journeyman	Sheppard AFB	USAF
CDC 2AX7X	Maintenance Supervision and Management	Sheppard AFB	USAF
CDC 2A373A	F-15 Aircraft Maintenance Craftsman	Sheppard AFB	USAF

9.3. Exportable Courses:

COURSE NUMBER	TITLE	OPR	MEDIA
J6ANU2A000 000	Weight and Balance (General)	362 TRS	CBT
J6ANU2A3X3 000	Weight and Balance (Tactical Aircraft)	362TRS	CBT
J6ANU2E066 038	AF Technical Order System (General)	362 TRS	CBT
J6ANU2E066 039	AF Technical Order System (Advanced)	362 TRS	CBT
J6AZU00066 058	AF Maint Data Collection System (CAMS)	362 TRS	CBT
J6AZU00066 059	AF Maint Data Collection System (CAMS) (781 Forms)	362 TRS	CBT
J6AZU00066 061	Core Automated Maintenance System (CAMS) Introduction	362 TRS	CBT
J6AZU00066 062	Core Automated Maintenance System (Mid-Level Maintenance Manager)	362 TRS	CBT
J6AZU00066 063	Core Automated Maintenance System (Sr.-Level Maintenance Manager)	362 TRS	CBT
J6ADL2A3X3A 007	F-15 Aircraft Maintenance Orientation	362 TRS	CBT
J6AGL2A3X3A 012	F-15 Aircraft Maintenance Journeyman/Craftsman (Advanced Crew Chief)	362 TRS	CBT
J6ADL2A3X3A 016	F-15 Aircraft Pneudraulics Technician	362 TRS	CBT

9.4. Courses Under Development/Revision:

COURSE NUMBER	TITLE	OPR	USER
J3AZR2A300 000	Fighter Maintenance Weight and Balance (Hands-On)	362 TRS	USAF
CDC 2A353A	F-15 Aircraft Maintenance Journeyman	362 TRS	USAF
CDC 2A373A	F-15 Aircraft Maintenance Craftsman	362 TRS	USAF

Section E - MAJCOM Unique Requirements

10. Currently only Air Combat Command has a MAJCOM mandatory course list (MMCL). MAJCOMs change mandatory course requirements occasionally. Up-to-date ACC requirements can be obtained at http://www.acclog.af.mil/lgq/lgqt/98mmcl.doc. Refer to the HQ ACC MMCL for additional information. The below requirements are current as of 6 Jun 99 (date of ACC MMCL is 28 Aug 98).

COURSE NUMBER	**TITLE**	**MDS**
J4AMF/ASF/AST2A3X3A 004	F-15 Aircraft Maintenance Craftsman/Journeyman (Engine Start System)	F-15
J4AMF/ASF/AST2A3X3A 006	Tactical Aircraft Maintenance Specialist	F-15
J4AMF/ASF/AST2A3X3A 017	F-15 Aircraft Maintenance Specialist (Pneudraulic)	F-15